

SCAPA AND A CAMERA



C. W. BURROWS

SCAPA AND A CAMERA

COUNTRY



LIFE

First published in 1921.



“THE SURE SHIELD OF BRITAIN AND OF HER EMPIRE.”

(Extract from His Majesty the King's message to his Navy at the outbreak of war.)

SCAPA AND A CAMERA

PICTORIAL IMPRESSIONS OF FIVE YEARS SPENT
AT THE GRAND FLEET BASE.

BY
C. W. BURROWS
||

WITH AN INTRODUCTION BY
VICE-ADMIRAL F. S. MILLER, C.B.
REAR-ADMIRAL SCAPA FLOW, 1914-1916

LONDON

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M C M X X I

DEDICATED (BY PERMISSION)
TO
ADMIRAL OF THE FLEET EARL BEATTY, O.M., G.C.B.,
AND THE
OFFICERS AND MEN OF THE GRAND FLEET
AND AUXILIARIES

PREFACE



THE Author desires to express his indebtedness to the undermentioned, who, by the loan of photographs or in other ways, have assisted in the production of this book :

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March, 1921.

INTRODUCTION



It was my privilege to be in administrative charge of the Naval Base at Scapa from August, 1914, to May, 1916, until relieved by Rear-Admiral Prendergast.

The Author, Mr. C. W. Burrows, assumed duty as Cashier of the Dockyard Section at the Base in May, 1915, and was so employed until March, 1920, and thus had a long and intimate knowledge of local doings and surroundings.

He has compiled a unique and profusely illustrated book, which should prove of surpassing interest, not only to those who only know of Scapa by hearsay, but particularly to the thousands of officers and men of the Naval, Marine, and Civil Services of the Crown, the Mercantile Marine, and others who were employed in and near Scapa Flow. To the latter it will serve as a remembrance of the incidents, many joyous and some sad and tragic, associated with their sojourn in the northern mists which shrouded Scapa from the public eye. Part IV., dealing with the German ships at Scapa Flow, their dramatic sinking on 21st June, 1919, and the subsequent salvage operations of several of them, is an exceptionally fine pictorial record.

Owing to the lack of facilities, practically the whole of the Base Establishment had to be accommodated afloat, and until the arrival of H.M.S. "Victorious" in March, 1916, as accommodation ship and workshop for the Dockyard Staff and workmen, the officers and men experienced considerable discomfort. The men usually found quarters on board the ships upon which they were working, and, owing to the shortness of notice, they were frequently taken to sea.

A very marked feature throughout the war was the spirit of loyalty, good comradeship, and emulation which evinced itself among all ranks, ratings, and

grades, whether on duty or in recreations. It was this spirit that lightened the discomforts and difficulties which necessarily occurred, maintained the Grand Fleet and Base in a healthy state of efficiency, and brought about the breakdown of the German morale, resulting in the ignominious surrender of the German ships in November, 1918, and their ultimate transfer to Scapa Flow.

The Author is to be congratulated in providing such a delightful souvenir of the Great War.

F. S. MILLER.

LONG HOPE,
SHORTHEATH,
FARNHAM,
SURREY.

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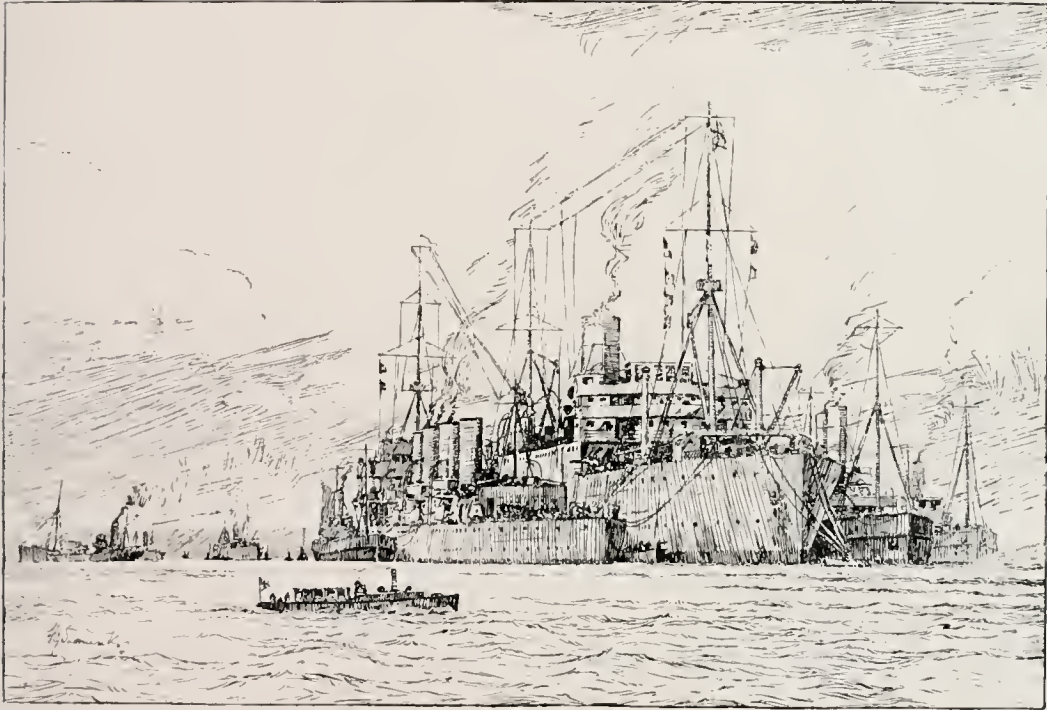
SCAPA FLOW AND THE ORKNEY ISLANDS.

To face p. xx.



MAP OF SCAPA FLOW AND THE ORKNEY ISLANDS.

PART I
THE DEVELOPMENT OF THE BASE



H.M.S. "CYCLOPS" AT LONG HOPE.

SCAPA AND A CAMERA

THE DEVELOPMENT OF THE BASE



SOME slight apologia seems necessary to-day for the publication of a book of war reminiscences (even though they be mainly photographic), when so many personages, from Admirals and Generals downwards to the humbler ranks of W.A.A.C.'s and lady typists in Government offices, have seen fit to record in print their experiences during the Great War. This little album is being published at the suggestion of various friends in the Naval Service, with whom the writer has come into contact during the five years he has been associated with the Royal Navy at the Grand Fleet Base at Scapa Flow, and, it is hoped, may reach a wider circle of those to whom the name "Scapa Flow" has hitherto conveyed but a hazy notion of islands shrouded in perpetual northern mist—somewhere north of Scotland, c/o G.P.O., where for five years the Grand Fleet kept its monotonous vigil in readiness for "the Day," and where finally it had its reward when, in November, 1918, the German Fleet was ignominiously escorted into the waters of the Flow, whose defences its submarines had more than once endeavoured, unsuccessfully, to penetrate.

Various writers—*e.g.*, "Bartimæus" and the author of "In the Northern Mists"—have written vivid pen pictures of the everyday life of the Navy, and the photographs reproduced in the following pages, besides recalling many monotonous—and some pleasant—times to those who served at Scapa during the war, may help to supplement these books by presenting the actual environment and life of those whose "lawful occasions" necessitated so long a sojourn in these northern waters.

To many "Scapa" is a name (judging from the warmth of their remarks when the subject is mentioned) that they would like to eradicate for ever from their book of remembrance. Their feelings are expressed in a parody of a well-known song which appeared in the *Orcadian* of the 5th December, 1918, entitled—

SCAPA FLOW

(A HYMN OF HATE).

Have you ever heard the story of how Scapa got its name?
 If you haven't then you're slow, because it's earned a world-wide fame.
 It has caused a lot of howling amongst our tars at sea,
 So I'll tell to you the story as a sailor told it me:

Sure a little bit of wastage fell from out the sky one day,
 And it fell into the ocean in a spot up Scotland way.
 And when the Sea Lords saw it, sure! it looked so bleak and bare
 They said, "Suppose we start to build a Naval Base up there."

So they dotted it with colliers, to provide the tars with work,
 With provision boats and oilers, that they dared not dodge or shirk.
 Then they sprinkled it with raindrops, with sleet and hail and snow,
 And when they had it finished, sure, they called it Scapa Flow.

Now the Navy's been at Scapa ever since we've been at war,
 And whenever it is over, they won't want to see it more.
 But for years and years to come, whenever sailors congregate
 You may bet your life you may hear them sing that Scapa hymn of hate.

Curiously enough, the weather forecast given in the *Orcadian* immediately below read: "Showers or drizzling rain; local mist."

Certainly even the most enthusiastic *Orcadian* has to admit that the islands have few natural features to commend them, and even less of the artificial amenities of civilisation: country practically bare of trees and vegetation, days in winter when the sun hardly seems to rise at all, and a climate that seems to hold the record for rainfall, storms, and unreliability.

Yet, in spite of all the unkindness of Nature, to many there hangs a cloud of romance over these far-away northern islands. To those who have the observing eye, they are rich in the remains of a prehistoric past, with a history extending far back into the centuries. They possess a coast of unsurpassed grandeur of form and beauty of colouring, and as they are approached from the south, or seen from one of the hills of Hoy on a fair day, appear like some "fairy archipelago set in a summer sea," whilst a distant mirage often heightens the effect of unreality. In few places does one see such wonderful sunsets and cloud effects as in Orkney, followed often a little later by the "searchlight" rays of the Aurora Borealis. But mainly will those who spent long months and years in Orkney look back, not without



ST. JOHN'S HEAD, HOY.
(The Highest Cliff in Great Britain.)

regrets, on the spirit of comradeship which made exile endurable, and which, in face of a common danger, united even the most varied personalities to work in harmony for a common cause. Many friendships were made which will long survive the war; many a "cheery night" in the wardroom will recall pleasant memories of those who are now scattered over the Seven Seas; and few of the many thousands who returned to civil life after serving in the Navy during the war but will have some regrets for the days when they took the rough and the smooth together (it was mostly rough) in the northern mists of Scapa Flow. Not a few married into Orcadian families, and the writer recalls his embarrassment on one occasion when in Stonehouse Naval Hospital recovering from an operation, in discussing somewhat freely various Kirkwall acquaintances with a naval officer invalided from the Northern Base, he happened to mention a certain lady's name as one of the fairest of the Orcadian maidens, whom he understood had married a naval officer. "Yes," was the reply, "she is my wife."

Until quite recently Scapa Flow and the Orkneys were practically unknown to the majority of Englishmen, and even to-day very few could point out the exact location of Scapa Flow on the map. In a well-known London newspaper of 23rd June, 1919 (after the scuttling of the German Fleet), Scapa Flow was marked on a map as north of Kirkwall, whereas it will be seen from the map reproduced in this volume that it is actually south of that town.

It is recalled also that on one occasion a travelling claim of a certain officer at the Base was returned from the Admiralty with a query as to the car hire claimed, and the inquiry was made as to why more use had not been made of the railway facilities!

Scapa Flow was used as an exercise ground for the Home Fleet many years before the war, with headquarters at the north-eastern corner of the Flow; but no preparations appear to have been made for its use as a permanent war Base prior to 1914, and consequently an enormous amount of pioneer work was needed to render it a safe and efficient harbour for the Grand Fleet and its auxiliaries. The magic growth of the Base from a few ships to many hundreds of vessels of all types—battleships, cruisers, destroyers, submarines, dépôt ships, oilers, colliers, store and ammunition ships, hospital ships, etc.—constituting the most powerful Fleet ever assembled in one place, was a gradual process, in which many novel situations arose and many difficulties had to be met and contended



T. Kent.

DRIFTER NET-BOOM DEFENCE AT HOUTON.



J. Phillips.

SUNKEN SHIPS BETWEEN ST. MARGARET'S HOPE AND BURRAY.

with. The absence of railway communication, the difficulties of local transport in weather conditions which at times even large vessels could not face, were additional obstacles to the hurried improvisation of arrangements, both ashore and afloat, which were essential to the effectual working of the Grand Fleet.

When Admiral Jellicoe succeeded Sir George Callaghan as Commander-in-Chief of the newly-named "Grand Fleet" on 4th August, 1914, there were practically no defences whatever on any of the islands, with the exception of a few 12-pounder guns landed from the Fleet, whilst there were, of course, no booms or obstructions across the numerous entrances (Hoxa, Switha, Hoy, and Holm Sounds) to the Flow. It was not until the end of 1914 and the beginning of 1915 that sunken ships were placed across the narrower channels, such as Burra, Water, and Holm Sounds, and that net-boom defence drifters were placed across the larger ones, and 4-inch and 6-inch guns landed at various batteries, which were erected to command these entrances. Consequently, during these early months of the war, the Grand Fleet could not remain in harbour in the Flow for more than a very brief period, owing to the danger of submarine attack; indeed, as Jellicoe remarks in his book on the Grand Fleet, it is a wonder that the Germans did not make a more determined attack on our Fleet during this period. It was on 16th 17th October, 1914, that the "Battle of Scapa Flow" took place, when a report that a submarine was in the Flow caused great excitement, and every available type of craft got under way in the endeavour to locate and sink it, firing at anything remotely resembling a periscope, and at night-time sweeping the seas with their searchlights. It was, I believe, never actually ascertained whether a submarine was present, but, as a result, the Grand Fleet moved further westwards to Lough Swilly, and did not return to Scapa until a few months later when the defences were somewhat more secure. Meantime the organisation of the Base proceeded apace, and H.M.S. "Cyclops" and "Assistance," Fleet repair ships, were joined by a large and increasing number of vessels, with Rear-Admiral F. S. Miller in command of the Base. Even so, continued difficulty was felt to accommodate the even more rapidly expanding personnel, and Admiral Jellicoe writes regarding the "Cyclops" at this period: "The manner in which the great demands on her accommodation were met was a standing wonder to me. In the early part of the war, officers on Admiral Miller's Staff and others were obliged to make their sleeping berths as best they



THE GRAND FLEET BASE AT LONG HOPE, 1916, LOOKING TOWARDS WEDDEL SOUND.



"Cyclops," "Victorious," "Assistance," "Imperieuse," "Ruthenia"

CLOSER VIEW OF THE BASE SHIPS AT LONG HOPE.

could on the deck or on top of their writing-tables, and it was surprising that the overcrowding in all directions did not affect health."

Towards the end of October, 1914, the Base, owing to weather conditions, was moved from Scapa Bay to Long Hope, where it remained until April, 1919, when it was transferred to Lyness, where a substantial sea-wall was in process of completion, and where the Floating Dock was moored. Here it still remains, though of it "Ichabod" must be written, for it retains only a shadow of its former activities. The Fleet itself lay north of Weddel Sound, and the auxiliaries were disposed between Long Hope and Gutter Sound (see map).

One of the earliest arrivals at the Base was H.M.S. "Imperieuse" (previously "Fisgard I."). She left Portsmouth in September, 1914, in company with "Fisgard II.," with a party of dockyardmen who were coming up for work in the Grand Fleet; unfortunately "Fisgard II." capsized off Portland Bill with the loss of several lives, but "Fisgard I." arrived safely at Scapa Flow, and was renamed "Imperieuse." During the war she discharged many useful and important functions, and there are few naval officers who served any length of time at Scapa who did not at some time pass through her. Primarily she was the receiving and distributing centre for the mails for the Fleet, and some idea of the enormous number of letters, etc., dealt with may be gleaned from the fact that when the Fleet was present some 50,000 items were sorted and despatched daily. "Imperieuse" was also the headquarters of the staffs of the Admiralty Port Officer (or King's Harbour Master, as he would be styled at a dockyard port), Fleet Coaling Officer, Naval Store Officer, Victualling Store Officer, Naval Ordnance Officer, Cashier, Base Censor, and also accommodated the dockyard working parties, until at a later stage other vessels arrived which relieved her of some of these functions. In spite of the limited office and cabin accommodation, it was an interesting time: the work and the conditions were novel, and there was always plenty to be done in straightening out the various problems that arose. One could write a small volume on the personalities one met at the Base at that time: of a certain genial captain, addicted to forcible but effective speech; of "V.O.S.O.," equally proficient in supplying flour and potatoes, and music; of "N.O.S.O.," who insisted on a duly receipted, countersigned, and approved voucher (in triplicate) before he would part with a minute brass screw; of the "Drifter King," whose knowledge of Scotch drifter-men and their idiosyncrasies



H.M.S. "IMPERIEUSE" AT LONG HOPE.

was profound; of a certain officer in charge of Water Boats, sent to the Base by the Admiralty as a "gentleman of affairs," whose versatility flowed into such diverse channels as the organisation of a band, sports, the edition of a ship's magazine, the supervision of gifts forwarded by the Fresh Fruit and Vegetables Fund, and in numerous other directions; of W—— and B—— (the "Bullion Brokers"), who could give you *the* very latest tip straight from the horse's mouth: these are but a few of those who enlivened the Base in 1915-1916.



H.M.S. "VICTORIOUS" AT SCAPA FLOW.

One of the next noteworthy arrivals at the Base was that of H.M.S. "Victorious," early in 1916. A "dockyard ship" had been awaited for nearly a year to relieve the congestion on "Imperieuse," and in September, 1915, the "Caribbean," duly fitted out for the purpose, left Liverpool for Scapa, but, like "Fisgard II.," sank on the journey north off Cape Wrath. H.M.S. "Victorious" was then taken in hand, and reached the Base safely in March, 1916. She was well provided with workshops and accommodation—being indeed a miniature "floating dockyard"—and at times over 500 dockyard artisans were accommodated, although these usually lived afloat on the ships of the Grand Fleet. The presence of such a large body of civilian workmen on a ship officered and manned by Service ranks

and ratings presented several novel problems, and it was largely due to the tact and consideration of both parties that the experiment, on the whole, was justified by the results. The possession of such a ship at the Base, by enabling defects to be adjusted and installations, such as director firing gear, protective deck plating, flying-off platforms, etc., to be fitted by skilled workmen at the Base instead of at a southern dockyard, added considerably to the fighting strength of the Fleet at a time when ships were badly needed, and when our numerical superiority over the enemy fleet was less marked than at a later period of the war.



R.F.A. "RUTHENIA."

Early in 1917 the addition of a small Floating Dock enabled much useful work to be done in carrying out minor refits and emergency repairs, and over 200 keels were docked whilst it remained at Scapa.

The Fleet repair ships, H.M.S. "Cyclops" and "Assistance," have already been referred to, and they should not be overlooked in this connection; both these vessels carried out, with naval ratings, valuable repairs in connection with the maintenance of the machinery, etc., of the ships of the Grand Fleet.

Meantime the duties of "Imperieuse" were still further relieved by the arrival of other vessels. R.F.A. "Ruthenia," previously a dummy battleship, became the storeship and headquarters of the Victualling and Naval Store Officers, and the Fleet Coaling Officer took up his quarters in R.F.A. "Perthshire" in



TORPEDO SUB-DEPÔT SHIP "SOKOTO" LYING IN THE INNER HOPE.



THE BROUGH OF BIRSAY, OFF WHICH H.M.S. "HAMPSHIRE" WAS LOST ON
6TH JUNE, 1916.

the secluded waters of Pegal Bay; whilst the "Sokoto" (a depôt ship for the storing and repair of torpedoes) and M.F.A. "Zaria" (repair ship for small craft, such as drifters, trawlers, etc.) were already at Long Hope.

Once the early work of organisation was over, life at Scapa, especially for the Base ships, settled down to a somewhat monotonous routine, varied by spasms of excitement when the Grand Fleet received orders to proceed to sea, and one wondered if *this* time it was actually a "stunt," or merely once more "P.Z." The summer of 1916 was not, however, without incident. The return of the Fleet from Jutland, on the morning of 2nd June, was an exciting moment, followed a few days later by the dramatic news that Lord Kitchener had been lost in H.M.S. "Hampshire" off Marwick Head, and later in the month the King paid a short visit to the Fleet. Just over a year later, in July, 1917, the battleship "Vanguard" blew up with the loss of practically the entire ship's company. The explosion occurred late at night (about eleven o'clock), and the vivid flames which illumined the twilight sky (it was still fairly light) were followed by a dense column of smoke rising about half a mile into the sky. Everyone rushed on deck clad in a varied assortment of night attire, every available craft was rushed to the scene of the disaster, and anti-submarine precautions were ordered to be taken. Some idea of the force of the explosion may be gathered from the fact the "Vanguard's" pinnace was blown clean over the next ship in the line, and landed in the water on the other side, practically undamaged, whilst it was reported that a packet of Treasury notes was picked up intact next day on the neighbouring island of Flotta.



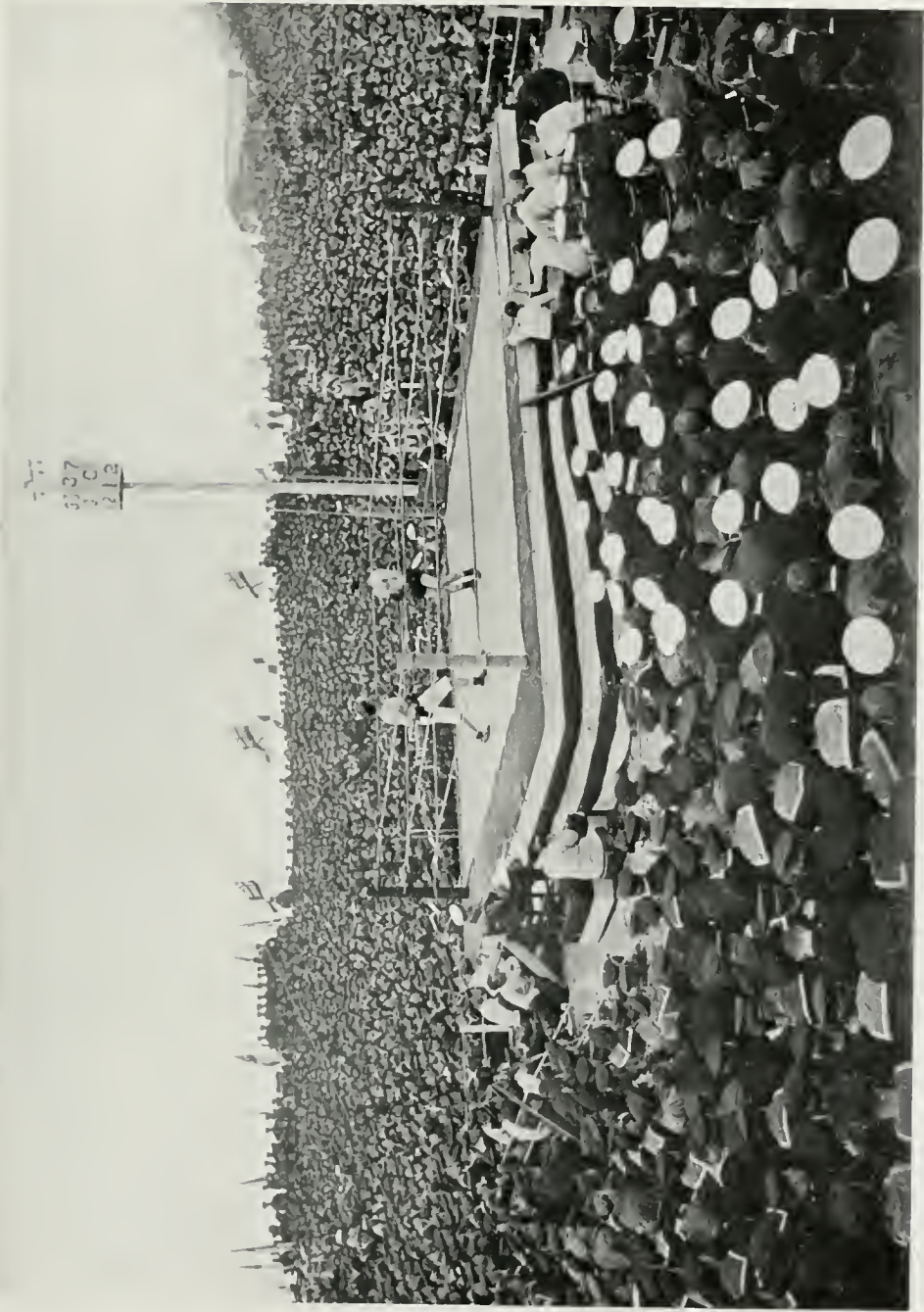
DRIVING OFF FROM THE FIRST HOLE
ON FLOTTA.



CHILDREN'S RACE AT LONG HOPE SPORTS.



WATCHING THE SPORTS.



Imperial War Museum.

A BOXING MATCH ON FLOTTA.

Towards the end of December, 1917, our Fleet was strengthened by the arrival of four U.S. battleships, which were incorporated into the Grand Fleet as the Sixth Battle Squadron. The presence of the Americans contributed some new features into the life of the Base, notably in the domain of sport, and baseball became for a time quite a popular game. The importance of games and sport, incidentally, has always been recognised in the Navy, and nowhere was the need for recreation more essential for the maintenance of morale and fitness than at Scapa. Football was played all the year round (there being no summer to speak



A SHIP'S GARDEN AT CROCKNESS.

of in these northern latitudes) on Flotta (the playing ground of the Grand Fleet), and at Long Hope and Lyness by the Base ships, whilst two or three rough golf courses were laid out for the use of officers. Admiral Jellicoe used often to be seen playing a hurried game round the course at Flotta in the few moments of relaxation he was able to snatch from his work on the "Iron Duke." Tennis was hardly a possible game, owing to the inclement weather and the continual winds, but one or two ash and gravel courts were made at the shore batteries. Sailing and pulling matches were frequently arranged, and the sports of the Base ships at Long Hope became an annual event greatly looked forward to



Humphrey Joel

U.S.S. "NEW YORK" LEADING THE 6TH BATTLE SQUADRON INTO SCAPA AFTER CROSSING THE ATLANTIC.

by the local inhabitants as well as by the ships' companies. Another annual event of great interest was the Grand Fleet Boxing Championship Contest, held outside the Y.M.C.A. Hut at Flotta. These competitions were witnessed by as many as 10,000 men, and the writer recalls an inspiring speech made by Admiral Beatty to this great gathering of sailors in July, 1917, after he had distributed the prizes. Prince Albert, incidentally, was present on this occasion.

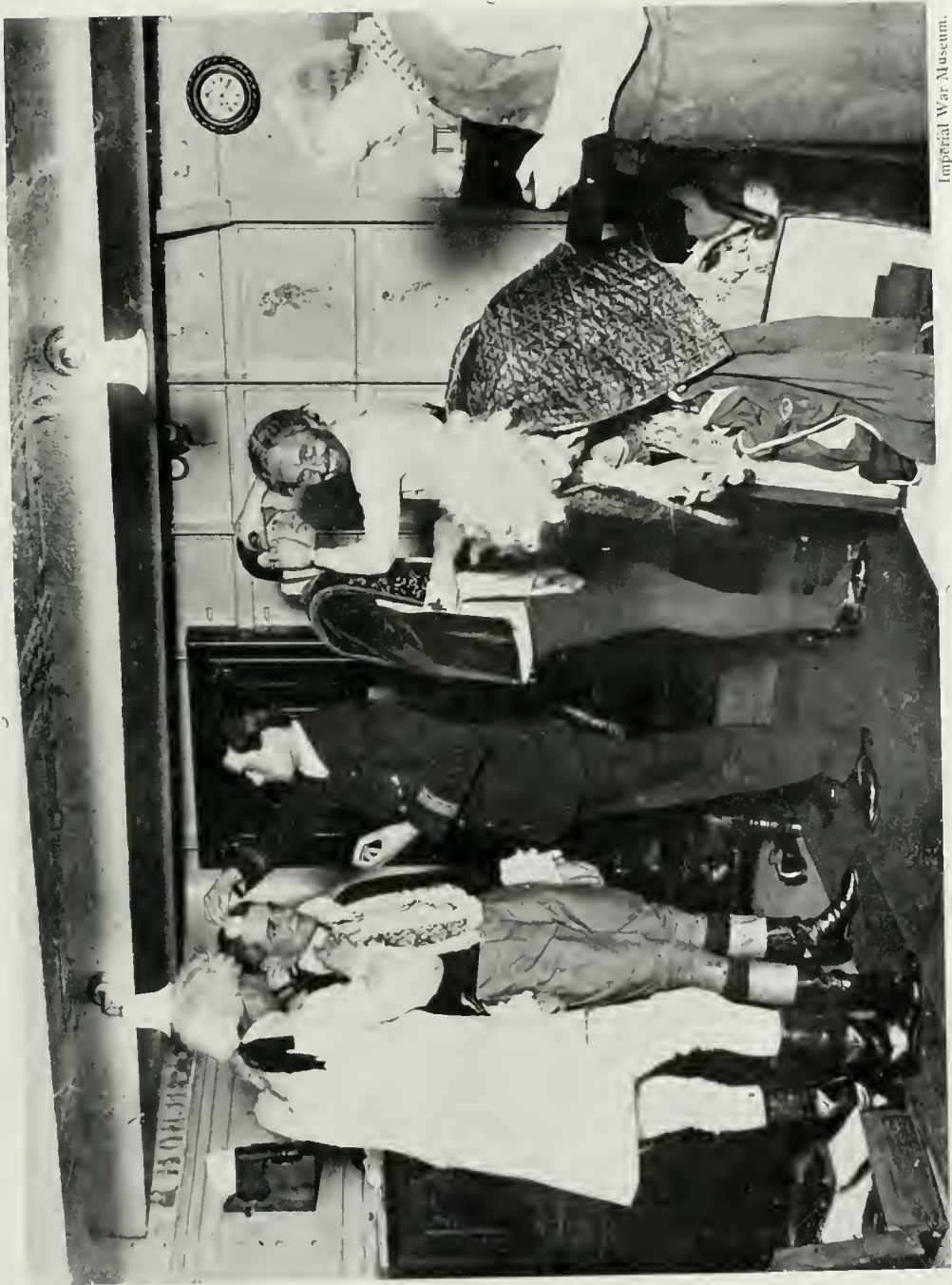
The work of the Y.M.C.A. Huts, at Flotta and Long Hope, and of the Church Army Hut later at Lyness, was of great value in providing almost the only re-



"HARVEST FESTIVAL."

creation and social amusement obtainable outside of one's ship, and the ladies who volunteered for service in these lonely islands deserve every praise for the way in which they cared for the comfort and entertainment of the men during the war.

Gardening became at one period quite a popular, as well as profitable, recreation amongst many of the men and officers, and although neither the soil nor the climate was very promising, some remarkably good crops of vegetables were obtained, which were especially welcome in view of the difficulties of obtaining



Imperial War Museum.

THE "GREEN ROOM" OF A BATTLESHIP: OFFICERS MAKING UP FOR A SHOW.

fresh fruit and vegetables on board ship. One enterprising ship actually raised chickens and pigs on one of the islands, although the uncertain movements of the ships made the feeding question a difficult problem at times.

A variety of indoor amusements was provided on board ship. The "movies" were always a standing attraction, whilst billiards proved a popular war-time innovation, the movement of the ship adding a fascinating element of uncertainty to the game! Some excellent "shows" were organised, and an improvised stage, with the necessary accessories, was rigged up on the Frozen Meat Ship "Gourko," which proved an ideal "theatre ship," although it was advisable to come warmly clad, as the auditorium was over the refrigerating room!

Very little of interest occurred at the Base in the early part of 1918, and the Grand Fleet spent a considerable time in this year at Rosyth, where the completion of the boom defences permitted exercises and firing to be carried out with almost the same degree of safety and convenience as at Scapa. The progress of the war was, as elsewhere, watched with great excitement towards the end of the year, and the signing of the Armistice on the 11th November, 1918, came as a great relief after four years of strain and effort. One of the most welcome of the minor changes effected by the Armistice was the removal of the Censorship which had been rigorously maintained during the war, and for the first time the general public became aware of the jealously guarded secret of the location of the Northern Base of the Grand Fleet.

The entry of the German ships into Scapa Flow for internment towards the end of the month was a memorable sight, which will not soon be forgotten by those who witnessed it. The vessels came north from Rosyth in detachments, and each group of ships entered the Flow in the grey dawn of an autumn morning, escorted by our own ships. Little groups of spectators who had gathered at points of vantage on the islands identified the various ships as they entered with great interest, and more especially in the case of those who had last met them in action. It was some compensation for those who had spent so many months and years at Scapa that "the Day" should have culminated in such a dramatic and complete surrender of the German Fleet, although it seemed then almost unthinkable that such a surrender should have been made without at least an effort to strike a last blow, or in the last resort to scuttle their ships in port. That some, at any rate, of the officers of the German Navy had these feelings was



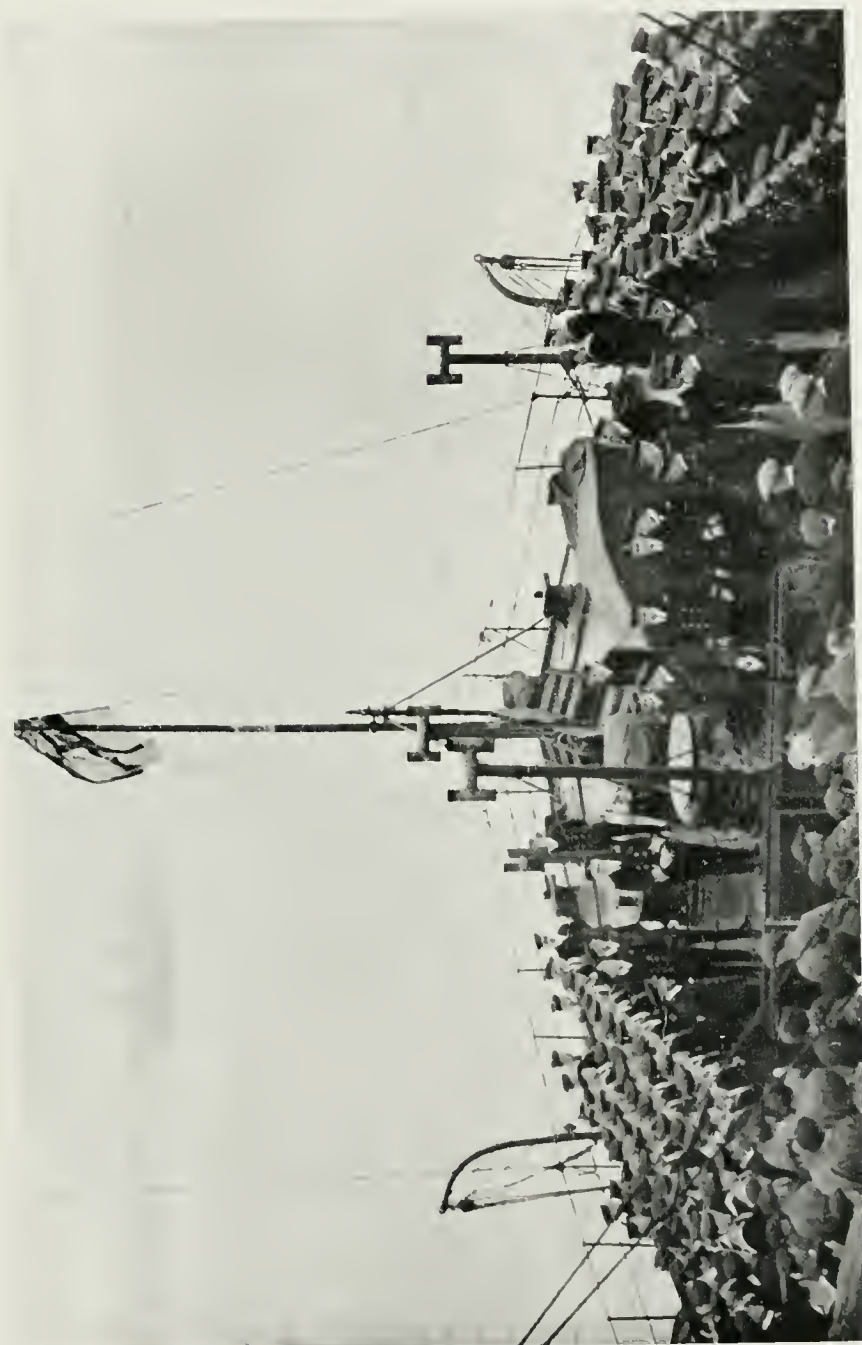
THE GERMAN SHIPS INTERNED AT SCAPA.
(Battle-cruisers "Hindenburg" and "Derfflinger" in the foreground.)



GERMAN BATTLESHIP "KAISER" ENTERING THE BOOM AT SCAPA FLOW FOR INTERNMENT
AT DAWN ON 26TH NOVEMBER, 1918.



GERMAN BATTLE CRUISER "DERFFLINGER" FOUR MINUTES BEFORE FINALLY SINKING, 2:45 P.M.
21ST JUNE, 1919.



VICE-ADMIRAL SIR R. J. PRENDERGAST MAKING HIS FAREWELL ADDRESS ON H.M.S. "VICTORIOUS,"
15TH FEBRUARY, 1920.

evident from the destruction of one of their submarines just before the Armistice in the act of entering the Flow, whose outer defences it had indeed penetrated. There seems little doubt that this was a last desperate attempt to sink as many as possible of our Fleet before the final and then inevitable surrender, and one cannot but acknowledge the spirit and the bravery of those who took part in such a forlorn hope.

Even more dramatic was the afternoon of Saturday, 21st June, 1919, when the large majority of the interned vessels sank beneath the waters of the Flow.



N. A. K Money.

GOOD-BYE TO SCAPA!

In accordance with the terms of the Armistice German crews were allowed to remain on board the interned ships, and after the preliminary inspection, there was practically no communication with our own ships except for essential matters of duty. This rather aided the preparation of the plans made by the Germans, and shortly after noon on the 21st the sea-cocks of all the vessels were simultaneously opened, and ensigns, and in some cases the Red Flag, hoisted. The First Battle Squadron, which was then at the Base, was exercising in the Pentland Firth at the time, and was not able to return until later in the afternoon, but all available tugs and small craft were immediately ordered to the sinking ships,

and as many as possible were run ashore on the surrounding islands. It was a clear afternoon, and probably no more wonderful sight has ever been witnessed than that of these huge vessels on all sides heeling over and plunging headlong—some with their sterns almost vertical above the water, others listing over to port or starboard, with steam and oil and air pouring out of the vents and rising to the surface long after the ships had completely disappeared beneath the water. Débris of all sorts, boats, hammocks, lifebelts, chests, etc., littered the sea for miles round. Small craft of all descriptions were variously engaged: here a drifter would be seen picking up Germans from the water, there a pinnace towing a long string of boats and Carley floats full of prisoners to the Flagship, whilst other craft were occupied heading off parties of Germans who were endeavouring to make for the shore. One or two amusing incidents occurred during the scuttling. One of our water-boats was busily engaged supplying water to one of the ships as she was sinking, and whilst the Germans were actually leaving the ship on the other side. Some school children from Stromness in the tug "Flying Kestrel" had the unique experience of a trip round the ships in the morning, which on their return journey were sinking or had disappeared.

By five or six o'clock the whole of the ships had sunk, except the battleship "Baden," which was boarded in time to save her, and three cruisers, which were run ashore or beached. The battle cruisers "Hindenburg" and "Seydlitz" drifted into shallow water, and with the cruiser "Bremse," which turned turtle as she was being beached, are resting on the bottom, and present a spectacle of interest to visitors as they pass in the Mail Boat to Stromness.

Such was the inglorious end of the German Fleet, and with its disappearance the Base began slowly to break up. One by one the ships went south, and the acquaintances of many years were severed. On 15th February, 1920, the Base reverted to a peace-time status, and the Admiral commanding the Orkneys and Shetlands (Vice-Admiral Sir R. J. Prendergast) hauled down his flag. Towards the end of the month and during March the salvaged German cruisers and destroyers were towed south to Rosyth for distribution amongst the Allied Powers, and on 25th March the last of the Base ships remaining, H.M.S. "Imperiouse" and H.M.S. "Victorious," left for Rosyth and Devonport respectively.

To-day not a vessel remains of that vast assemblage of ships which were gathered at the Base during the war, and Scapa will probably in future be an

exercising base only for the Fleet as in pre-war times. But, whatever its future, the name of Scapa is one that has earned an undying fame in the history of the British Empire and of the world, and it will remain as an enduring memory to those who were destined by the chances of war to be exiled in those lonely islands of the North.


PART II
SCENES AROUND SCAPA FLOW



VIEW LOOKING SOUTH FROM HOUTON BAY.

SCENES AROUND SCAPA FLOW

KIRKWALL

“OIR Kirkwall, et mourir,” a French naval officer remarked to me when visiting Scapa Flow. Without inquiring too closely as to whether there might not have been some ironical “double-entendre” in his apparent admiration of the capital of the Orkneys, it was certainly the Orcadian “Mecca” of the Grand Fleet, and never in its history has it known such activity and prosperity as during the five years of war. A sleepy little town of four or five thousand inhabitants, it was suddenly called upon to assist in supplying the needs of a floating population of close on 100,000 men, and its narrow main (and only) street, “where two wheelbarrows tremble when they meet,” bustled with unwonted activity—messmen from the ships loading provisions, naval men and officers engaged in an afternoon’s shopping and sightseeing, with an occasional motor lorry or car trying to thread its way amongst the traffic.

Kirkwall, as will be seen from the map, is approached from the Flow by way of Scapa Pier, whence it is a walk or drive of about a mile and a half to the town.

The little hamlet of Scapa, incidentally, from which the Flow takes its name, assumed importance during the war as a seaplane station, and is the scene of an old custom long forgotten, which is related rather amusingly in a volume on Orkney by a Rev. John Brand, dated 1701. He writes: “In Scapha about a mile from Kirkwal to South-West, it is said there was kept a large and ancient Cup, which they say belonged to St. Magnus, King of Norway, who first instructed them in the principles of the Christian religion and founded the Church of Kirkwal, with which full of some strong drink their Bishops at their first landing were presented; which, if he drank it out, they highly praised him, and made themselves to believe, that they should have many good and fruitful years in his time.” He adds rather regretfully: “The Countrey to this Day have the tradition of this, but we did not see the cup; nor could we learn where it was.” The fact that

SCAPA AND A CAMERA



LOADING STORES AT SCAPA PIER.



WIDEFORD HILL AND THE "PEERIE SEA."

the Highland Park Distillery (the most northern distillery in the British Isles) is on the upper Scapa road rather tends to confirm the legend !

Conveyances known locally as “ machines ” (they do not speak of traps or chars-à-bancs in Orkney) are always available to convey one to Kirkwall from the Pier, and anyone who has travelled over that bumpy road in one of these vehicles will not forget the experience !



KIRK WALL HARBOUR FROM THE CATHEDRAL TOWER.

Arrived in Kirkwall and suitably refreshed (let me recommend the Ayre Hotel of many pleasant memories), the most striking building which meets the eye, and which dominates the town, is the Cathedral of St. Magnus. Kirkwall, as its name signifies (Kirkevaag or Kirk Voe), is the bay of the church, although the original church from which the town takes its name was not that of St. Magnus. Founded before the middle of the twelfth century, it is a very fine example of Gothic architecture, which, fortunately, owing to its remoteness, escaped the zeal of the Reformers, and remains to-day a stately witness of the Norse warriors of old, who played such a prominent and adventurous part in the history of Orkney.



ALBERT STREET, KIRKWALL.

Near by are the Bishop's and Earl's Palaces, both also eloquent relics of the days when feasting and fighting were the main preoccupations of the Norse Jarls, whose exploits are recounted so graphically in the "Orkneyinga Saga."

Kirkwall during the war was an examination base, and hundreds of craft of all nationalities passed through the harbour to be searched for contraband of war. Later, after the Armistice, it became the headquarters of our own and



ST. MAGNUS CATHEDRAL FROM THE EARL'S PALACE.

the American Mine Clearance Service, and the advent of four or five thousand American sailors contributed further to the prosperity and enlivenment of the town. Baseball, for example, and the "jazz," had not hitherto penetrated so far north as Orkney, and dancing soon became almost as great an obsession amongst the fair maidens of Kirkwall as it was further south.

To-day Kirkwall is again outwardly the same quiet town it was prior to

1914, but the infusion of new ideas and modes of life, which was inevitable from contact with so many of our own and American people, has produced many changes of mental and social outlook, and in no town will the years 1914-1919 be remembered for their historical significance more than in the capital of the Orkney Islands.



OLD HOUSES IN KIRKWALL.

STROMNESS

Stromness, situate at the western extremity of the mainland, is next to Kirkwall in size, and is in many respects the rival of the capital. Its position did not give it the same importance as Kirkwall during the war, although it was a convenient centre for some of the subsidiary activities of the Base. For a considerable period it was the headquarters of the Western Patrol, and the various building operations, including the wharf at Lyness and the Air Stations at Houton and Scapa, were supervised from the office of the Civil Engineer at Stromness. The

accessibility of Stromness to the sea through Hoy and Burra Sounds, and the probability of submarine attacks on the Fleet through these channels, rendered defensive measures an imperative necessity, and at the time of the Armistice a triple series of boom defences, with the additional safeguards of sunken ships and mine-fields, rendered ingress a practical impossibility. One of the most remarkable of these defences was the Clestron Barrier between the island of Graemsay and Clestron. This was constructed of conical frameworks of steel rails, which were placed in position with their bases resting on the bottom of the channel, an opera-



STROMNESS FROM THE SEA.

tion rendered the more difficult by the tides which sweep around these shores, which give Stromness its name (the ness of the "strom" or current).

Stromness is a picturesquely situated little town, with its straggling houses, rising straight from the water's edge, and its rugged coast scenery. The traveller from Kirkwall, after traversing fifteen miles of somewhat monotonous road, is suddenly confronted with the quiet town lying below him in a landlocked bay, with the heights of Hoy rising beyond and adding grandeur to the beauty of the scene.

Amongst the quaint houses in its zigzag mile-long street is one of noteworthy interest, being the house in which Sir Walter Scott wrote the notes of his Orkney



T. Kent.

HOUTON BAY AIR STATION.

novel, "The Pirate," most of the characters in which are drawn from people who actually lived in Stromness.

Stromness was a popular "week-end" resort for those who, during the war and afterwards, were fortunate enough to get leave, there being an excellent and modern hotel, with good fishing in the lochs, and a nine-hole golf course in the near neighbourhood. Close at hand, too, are many places of interest to the historian and antiquarian, which are briefly noticed in the following pages.



THE CLESTRON BARRIER, STROMNESS.

THE STANDING STONES OF STENNIS

"The Standing Stones" are the most noteworthy antiquarian relic in the county of Orkney, and their origin, like those of Stonehenge, is wrapped in obscurity. They were probably erected by the early Celtic inhabitants of Orkney, possibly as sacrificial spots, and they were undoubtedly standing when the Norsemen overran the islands in the ninth century. Standing on the narrow little peninsula in the midst of the Loch of Stennis, and seen as the shadows of evening are falling, they are impressive in their lonely solemnity, and insensibly carry one back to the dawn of history in these islands—to days of sacrificial rites and strange matrimonial ceremonies, to the worship of Thor and Woden.



THE STANDING STONES OF STENNIS.



THE RING OF BRODGAR.



THE TUMULUS OF MAESHOWE.

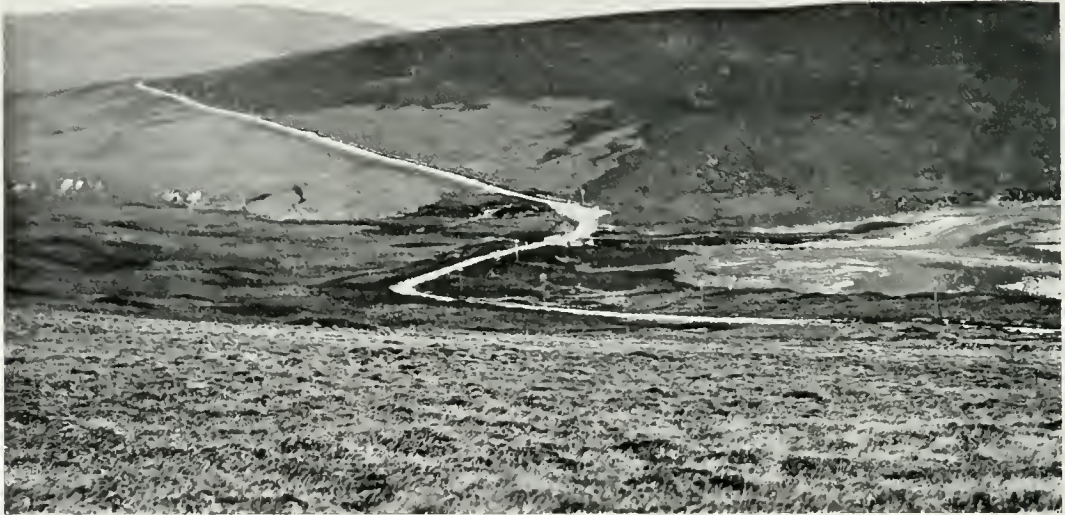


THE ENTRANCE TO MAESHOWE.

MAESHOWE

A mile or two from Stennis stands the celebrated Tumulus of Maeshowe. This is a conical-shaped mound rising to a height of about 35 feet, and surrounded by

a moat. The interior is approached by a long, narrow passage, leading into a central stone chamber about 15 feet square, from which a number of crypts or cells branch off at the sides. On the walls are inscribed a number of runes, of which, as one humourist observed, "several professors have given as many translations, apparently all different." There is certainly considerable diversity of opinion as to the age and origin of the mound, but it seems to be generally accepted that it was originally the chambered tomb of some chieftain, dating from early Celtic times.



A WINDING ROAD IN HOY.
(Pegal Burn.)

HOY

The island of Hoy lies on the western side of the Flow, and, as most of the Base ships were anchored in its vicinity, it was the island which became the most familiar to and frequented by those going to the "beach" for recreation and exercise. The names of Long Hope, Lyness, Melsetter, North Ness, are as familiar to the many thousands of naval men who spent so long at Scapa, as are the Strand and Charing Cross to Londoners. Fortunately, Hoy is perhaps the most interesting

and picturesque of the Orkney Islands, and some of its hill and cliff scenery is amongst the finest in Great Britain, whilst the sportsman, the botanist, and the geologist can find ample material for their various pursuits.

Hoy will probably show more permanent evidences of the " naval invasion " of Scapa Flow than any of the other islands, as it has now become, at Lyness, the headquarters of the permanent peace-time naval establishment at Scapa Flow. At Lyness there are the makings of a miniature dockyard, with a wharf accommodating vessels of 30 feet draught, slipway, storesheds, oil, fuel, and petrol depôts, and a reservoir for fresh water supply, which, in the event of war, would be at once available for meeting the requirements of the Fleet. Such an establishment would have been of immense value at the outbreak of the present war, and, indeed, had been contemplated for some years prior to 1914.



WARD HILL AND GRAEMSAY ISLAND FROM THE SEA.

WARD HILL, HOY

Ward Hill is the highest hill in Orkney (1,556 feet), and from its summit on a clear day a magnificent panorama of the Orkney Islands unfolds itself, lying at one's feet like " the scattered fragments of some ingenious and parti-coloured toy map," whilst on the further side of the Pentland Firth the coast of Scotland is clearly defined as far as Cape Wrath. During the war the whole of the Grand Fleet could be seen in the Flow, and it seemed hard to realise that those small and insignificant specks as they appeared in the distance lay as a " sure shield of Empire " between our nation and the domination of the German Eagle.



WARD HILL: THE ROAD TO RACKWICK.



WARD HILL FROM THE EAST.



THE OLD MAN OF HOY.

THE OLD MAN OF HOY

The lonely pillar of rock standing well out on the western coast of Hoy is one of the best-known "sights" of Orkney. It stands 450 feet above the sea (as high as St. Paul's Cathedral) in one of the most inaccessible parts of the coast, but the scene repays the hard walk over the moors which a visit to the rock entails. The photo happens to show the features of the "Old Man" quite distinctly.

THE DWARFIE STONE

The Dwarfie Stone is one of the strange relics of antiquity which abound in Orkney. It is a mass of sandstone about 30 feet in length, 14 feet in breadth, and from 2 to 6 feet in height, and lies in a lonely valley at the foot of Ward Hill. It has been hollowed out on either side of the entrance door shown in the photo into two chambers, each with a stone bed, with a hole in the roof to serve as a window or chimney. Nothing appears to be known of the origin or purpose of the stone, but a rather quaint theory is brought forward in an old book on Orkney (1701), as follows:



THE DWARFIE STONE.

“Who hewed this stone, or for what use it was, we could not learn, the Common Tradition among the People is, That a giant with his wife lived in this Isle of Hoy, who had this stone for their Castle. But I would rather think, seeing it could not accommodate any of a Gigantick stature, that it might be for the use of some Dwarf, as the name seems to import, or it being remote from any House might be the retired Cell of some Melancholick Hermite. The stone also may be called the Dwarfie Stone, per Antiphrasin or by way of Opposition it being so very great.”

Sir Walter Scott refers to the stone at some length in his novel “The Pirate,” the scene of which is laid in the Orkneys and Shetlands, and which will be found of interest to the student of Orkney traditions and history.

LYNESS

Following the rough road on the east coast of Hoy from Ward Hill, by way of Pegal Burn, one reaches Lyness, in pre-war days a few scattered crofts, and



THE NEW STONE WALL AND PIER, LYNESS.

now the Naval Base in Orkney. The stone wharf, built by Messrs. Kinnear and Moodie, of Glasgow, is now only just nearing completion, and the other buildings (torpedo and paravane depôts, petrol tanks, store sheds, etc.) were not available in time to be of much value during the war, but they will be ready for the next! Some idea of the difficulties with which the contractors

had to contend will be realised, when it is remembered that every ton of material had to be brought by rail and sea from the south, during a time when, owing to the submarine menace and the shortage of shipping, it was often months before delivery of stores could be made. The work was frequently completely held up by non-delivery of a machine or replacement, whilst the difficulties of recruiting labour in such a desolate spot as the Orkneys were a great handicap. On many days work had to be suspended owing to gales, whilst in winter operations were only practicable during the few hours of daylight available. The works, incidentally, were responsible for the introduction of the first train into Orkney!



CROFTS NEAR LYNESS.



EXCAVATIONS AT LYNESS IN CONNECTION WITH THE BUILDING OF THE WHARF.



THE FIRST TRAIN IN ORKNEY.

CROCKNESS

Crockness lies a little beyond Lyness, to the south, and is chiefly noteworthy for its Martello Tower, which, with that at Hackness on the further side of Long



SUNSET OVER THE MARTELLO TOWER, CROCKNESS.

Hope Bay, was erected during the Napoleonic Wars, and completed in 1818 as a protection for the harbour. It was in Long Hope Harbour that merchantmen bound for America and the Continent assembled to await convoy, and it is curious that exactly one hundred years later history has repeated itself, and that during the war just concluded the same system of convoy was adopted from Kirkwall,

into which harbour all neutral vessels were sent for examination and convoy. It is rather characteristic of our nation that both the Martello Towers and the works at Lyness were completed some time after the Napoleonic Wars and the European War respectively were over!

The Towers are very solidly built structures, with gun mountings on top, and underground cellars for stowing ammunition, etc., but they have never apparently been of any practical use. It is related that it was not until the present war that a monthly payment, which originated in 1818, to a crofter family for certain services rendered to the original occupants of the



THE MARTELLO TOWER, CROCKNESS.

Tower, was at length discontinued, when it was discovered that the Tower had been disused for some generations! but the accuracy of the story cannot be vouched for.



VIEW LOOKING THROUGH THE MARTELLO TOWER, CROCKNESS, TOWARDS LONG HOPE.

LONG HOPE

Continuing by the road from Crockness, the village of Melsetter is passed on the road to Long Hope.

At Melsetter is the very fine residence of Mr. and Mrs. Middlemore, whose hospitality was always open to the many naval officers who used to call there. The visitors' book among many famous names contains those of the King and the Prince of Wales, and Admirals Jellicoe and Beatty. A William Morris Tapestry in one of the reception rooms is noteworthy as recording the exploits of "Sir Gawaine of Orkney," one of the Knights of the Round Table.



MELSEITTER - ON THE ROAD FROM LYNNESS TO LONG HOPE.

Long Hope Bay during the war was the headquarters of the auxiliaries of the Grand Fleet, and never in its history were so many vessels of such varied types assembled in the harbour. The village of Long Hope, where there is a good pier, naturally became much frequented by officers and men from the ships, and eventually a commodious Y.M.C.A. was erected, which did much useful work. "Tea on the beach" was always a pleasant change from ship life (and tinned milk!), and the Post Office at Long Hope became a favourite rendezvous for informal tea-parties. (Possibly the attractions of the fair postmistress and her sister had something to do with this!)

Incidentally, a writer on Orkney remarks that "there is a considerable Celtic element in the population of South Walls brought by some seventy-one Highlanders,

who, evicted from Strathnaver to make room for sheep, settled in the parish between 1788 and 1795, and who have thrown in a dash of good looks not so



LONG HOPE PIER AND POST OFFICE.



LONG HOPE HOTEL.

common in other parts of the group." The comment seems hardly fair to the rest of Orkney, however true it may be with regard to Walls.

The inn at Long Hope (where the King stayed on one of his visits to the

Fleet) was transformed into the office of the Admiral Commanding the Orkneys and Shetlands, and a wireless station was erected alongside. It has now (1921) reverted to its pre-war condition, much to the gratification of the Long Hope inhabitants.



KIRK HOPE, SOUTH WALLS.



CANTICK LIGHTHOUSE, SOUTH WALLS.

KIRK HOPE AND CANTICK

The road from Long Hope leads past the Y.M.C.A. to the lonely little cemetery (shown on the left of the photo above) at Kirk Hope, and thence to the lighthouse at Cantick Head. A fine view of the islands is obtained from the Lighthouse Tower, and the visitors' book contains the names of R. L. Stevenson and Prince Albert, amongst others of interest.

PEATS

As there are practically no trees in Orkney, wood is not available for fuel, but fortunately peat is very plentiful, and is used almost universally for heating purposes. The peats are cut in the spring, and a peculiar-shaped form of spade, known as a toysker, is employed to cut the turfs, which are stacked on the side



DIGGING THE PEATS—HOY.

of the bank as shown in the photograph. After a few weeks the peats are "raised"—*i.e.*, set on end—and arranged in small heaps, so that they may dry more thoroughly. They are then carted home and stacked, each croft possessing its stack for the winter months.

During the war parties of men from the ships could often be seen assisting the crofters in digging the peats—such assistance being very welcome at a time when labour was scarce and there was plenty of work to be done on the land. A day at the peats can be recommended to anyone who wants to know what it is to feel really tired after a hard day's work!

During the war parties of men from the ships could often be seen assisting the crofters in



CARTING HOME THE PEATS.

J. Kent.



HORSE AND OX HARROWING.



T Kent.

AN ORKNEY CART.



LOADING SEA-WEED FOR MANURE.



T. Kent.

MAKING STRAW-BACKED CHAIRS, ORKNEY.

The primitive cottages which prevailed in Orkney, until a few years ago, are gradually giving way to larger and more substantial dwellings, but some of the crofts are still reminiscent of very early times, consisting only of a "but and a ben," with the beds let into the wall, after the style of the French cupboard beds of Brittany, and with the floors made of stone flags.

Orkney has several cottage industries, no doubt due to the long winter evenings and the inclement weather. Amongst these is rush plaiting for the famous "Orkney chairs," which, with their comfortable rush backs and seats and hoods, are familiar to all who have been in Orkney.



T. Kent.

INTERIOR OF AN ORKNEY COTTAGE.

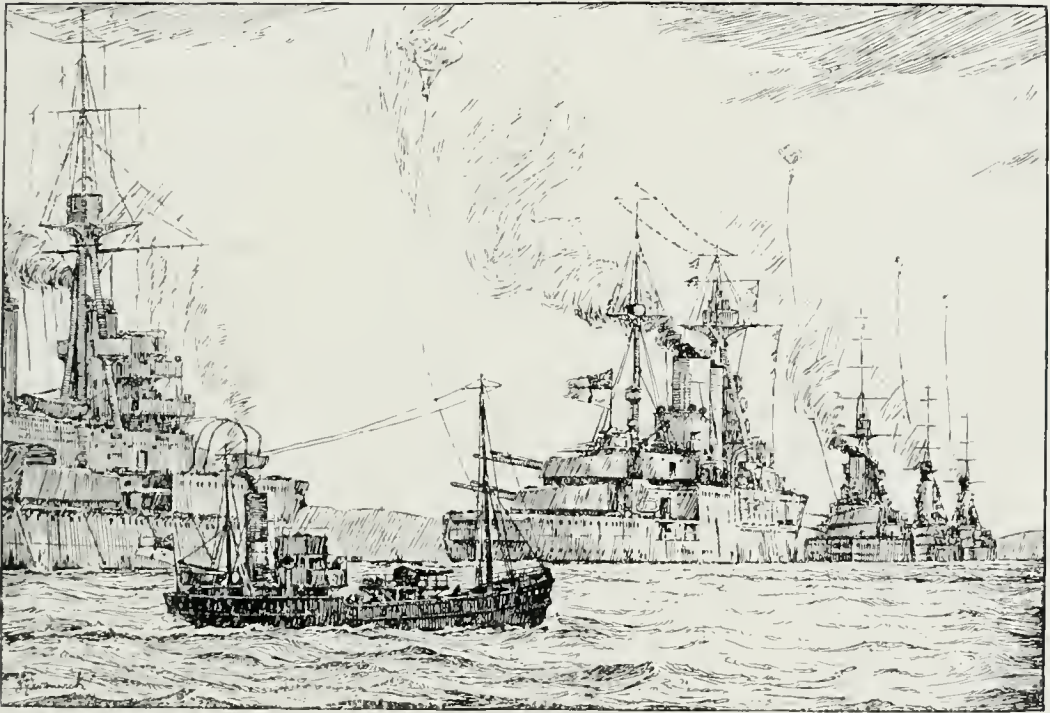
SPINNING

Spinning is another occupation of the winter evenings, which has been widely revived recently in Orkney owing to the high price of wool. The Orkneys and Shetlands are noted for the softness and quality of their wool, and the various processes of teasing, carding, spinning and dyeing are all carried out on the crofts.



SPINNING.

PART III
THE NAVY AT SCAPA FLOW



BATTLE SQUADRON EXERCISING IN THE FLOW.

THE NAVY AT SCAPA FLOW



THE photographs which follow depict various aspects of the work and play of the Grand Fleet and the Auxiliaries at Scapa, and are more or less self-explanatory. Owing to limitations of space, it is not possible to deal adequately with a subject on which so many volumes have been written, but an effort has been made to include as many types as possible of the varied units of the Grand Fleet, and to depict the various phases of the everyday life and recreations of the personnel of the Fleet. Owing to the strict photographic censorship during the war, it was not practicable to take many subjects which would otherwise have found a place in this record, but those which are shown in the following pages will give the reader some little idea of how the Navy "carried on" during the eventful years 1914-1919.



Humphrey Joel.

ADMIRAL OF THE FLEET EARL BEATTY ON THE QUARTERDECK OF H.M.S. "QUEEN ELIZABETH."



H.M.S. "QUEEN ELIZABETH."



H.M.S. "REVENGE" AND SHIPS OF THE FIRST BATTLE SQUADRON AT SCAPA.



H.M.S. "RAMILLIES."



H.M.S. "RESOLUTION."



H.M.S. "ROYAL OAK."



Humphrey Joel.

FOURTH BATTLE SQUADRON EXERCISING IN THE FLOW.



Humphrey Joel.

BATTLESHIPS "ORION," "MONARCH," AND "CONQUEROR" IN THE FLOW.



Humphrey Joel.

BATTLESHIPS "COLOSSUS," "ST. VINCENT," AND "BELLEROPHON" EXERCISING IN THE FLOW.



H.M.S. "RENOWN."

(In which the Prince of Wales made his recent visit to the Colonies.)



H.M.S. "TIGER"; A FAMOUS SHIP OF THE BATTLE CRUISER SQUADRON.



H.M.S. "EMPEROR OF INDIA."



H.M.S. "WHITSHED."

(One of our Latest Type Destroyers.)



H.M.S. "BARHAM."



Humphrey Joel.

LIGHT CRUISER "CALLIOPE" AT SCAPA.



"MAKE AND MEND" ON LIGHT CRUISER "YARMOUTH."

(Note the bins for "Bones" and "Pig Food.")



Imperial War Museum.

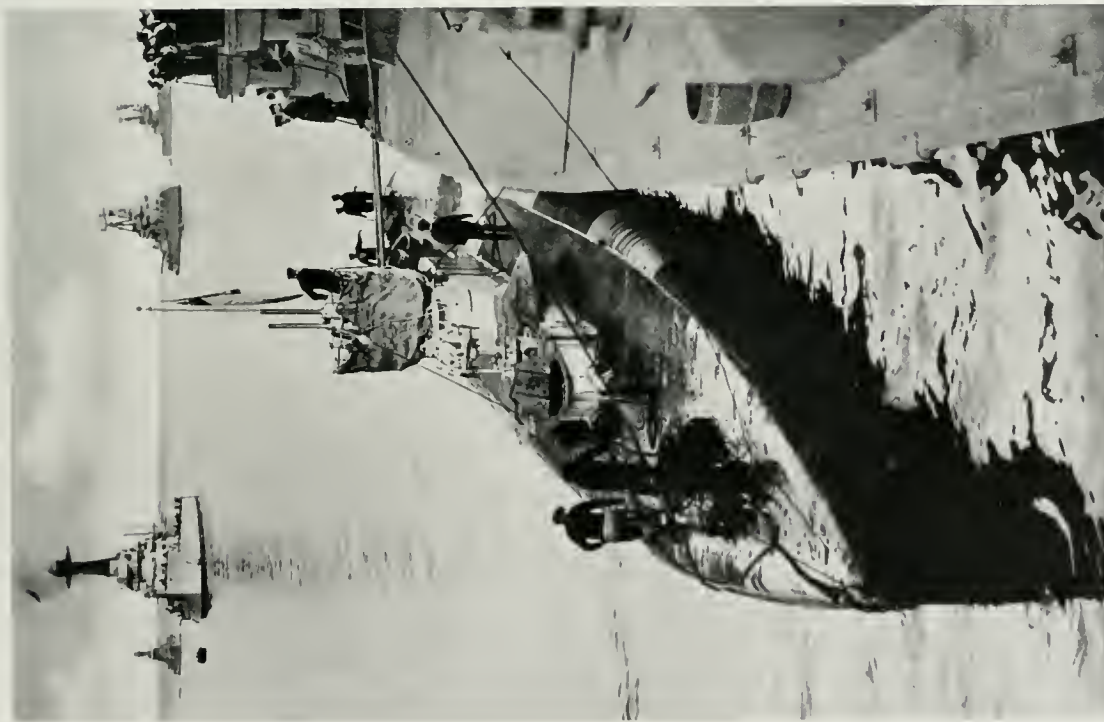
THE DECK OF AN AEROPLANE CARRIER, H.M.S. "FURIOUS."



SUBMARINE "K 16" UNDER WAY IN THE FLOW.



OFFICERS OF SUBMARINE "K 7" IN THE CONNING TOWER.



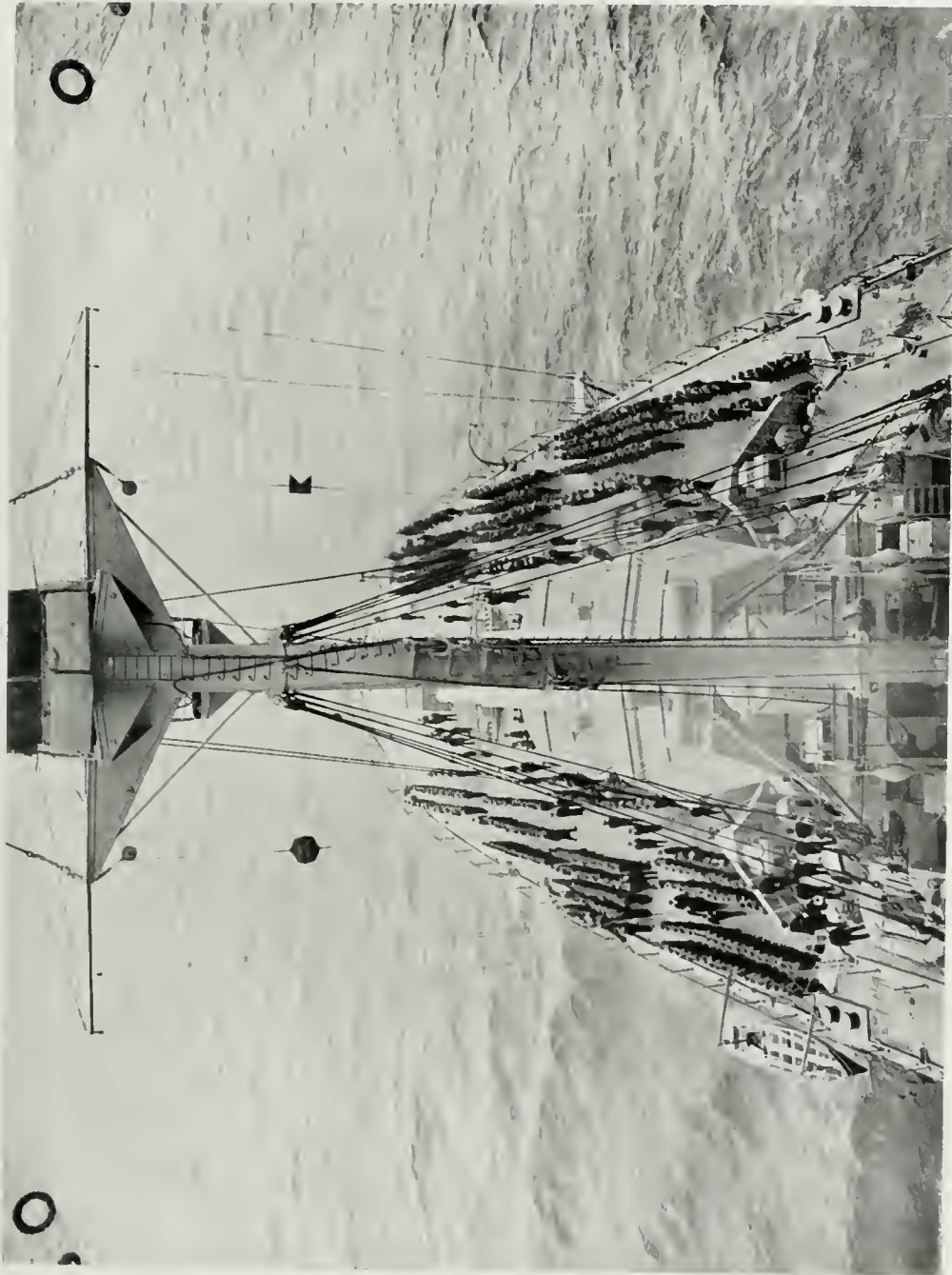
Humphrey Joel.

SUBMARINE "G 13" ALONGSIDE H.M.S. "QUEEN ELIZABETH."



Imperial War Museum.

MARINES DRILLING ON THE QUARTERDECK OF A BATTLESHIP.



Imperial War Museum.

GENERAL VIEW OF CAPTAIN'S SUNDAY MORNING INSPECTION.

SCAPA AND A CAMERA



Imperial War Museum.

"TIDYING UP" FOR INSPECTION.



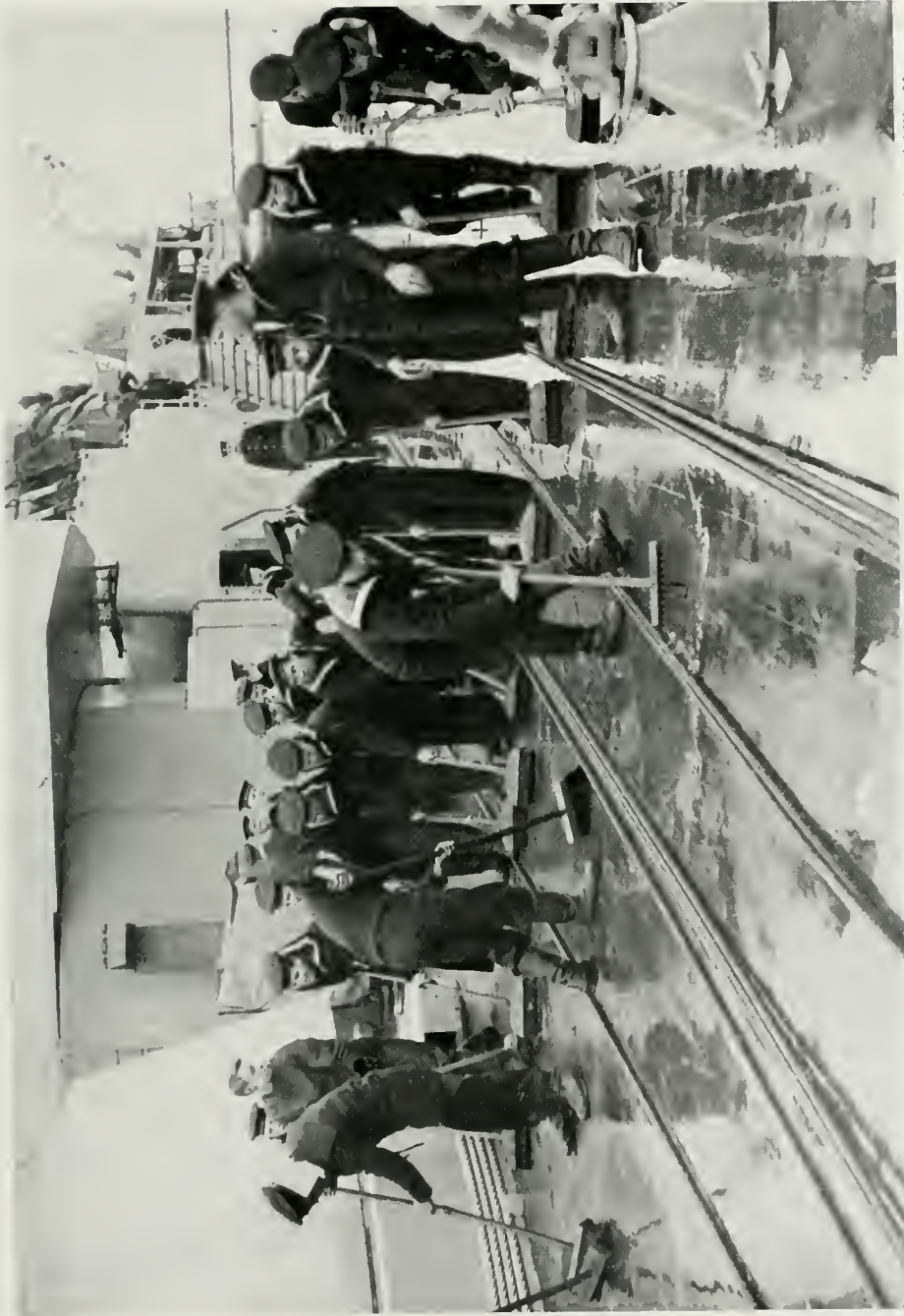
Imperial War Museum.

OFFICERS AND MEN EXERCISING ON THE QUARTERDECK.



Imperial War Museum.

"HOLYSTONING."



Imperial War Museum.

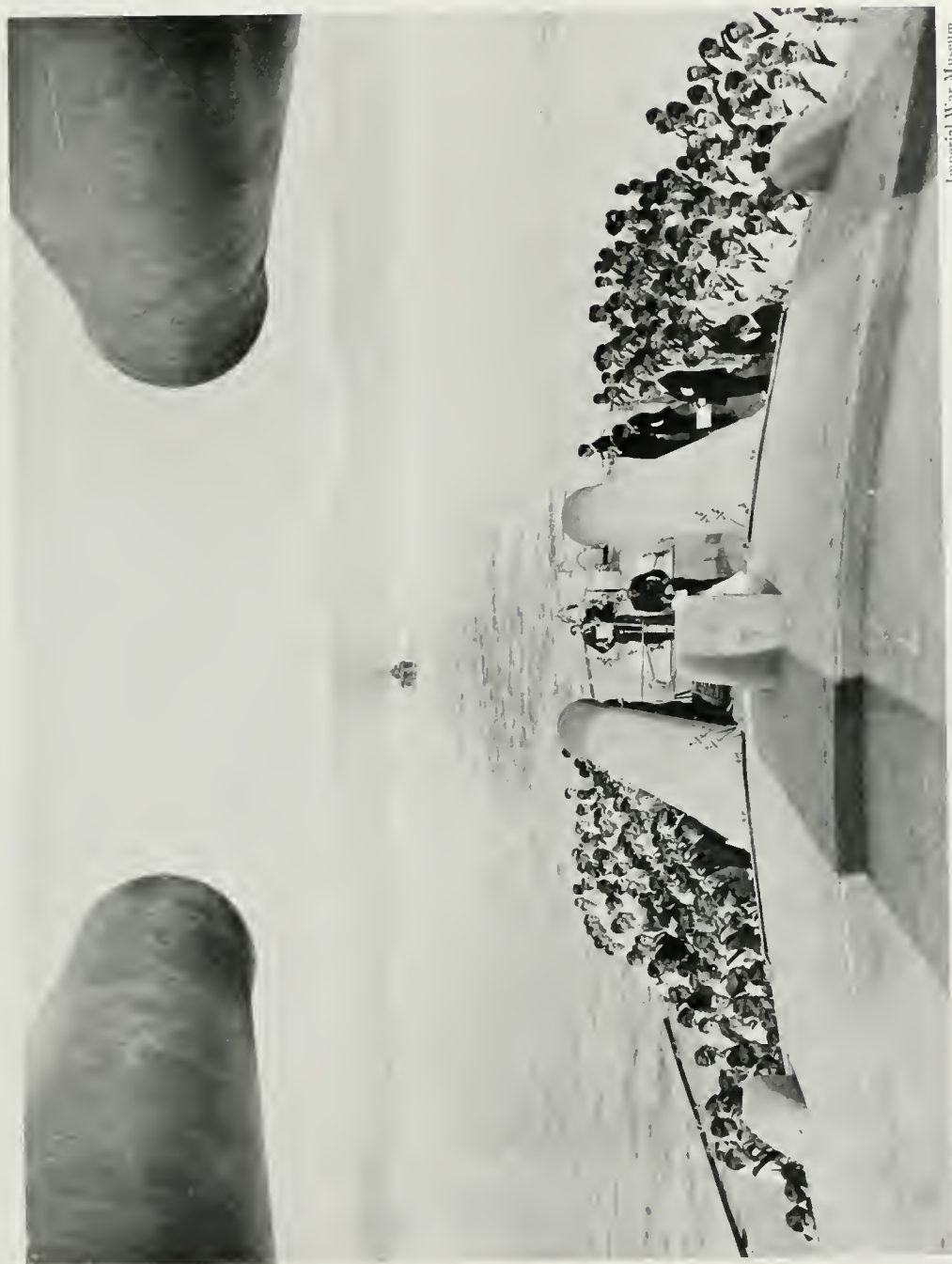
WASHING DOWN DECKS.



Imperial War Museum.

STOKERS AT WORK.

(Over 4,000,000 tons of coal were supplied to the Fleet at Scapa from the outbreak of war to the date of the Armistice.)



CHURCH SERVICE ON H.M.S. "QUEEN ELIZABETH."

Imperial War Museum.



HOSPITAL SHIPS AT SCAPA FLOW.



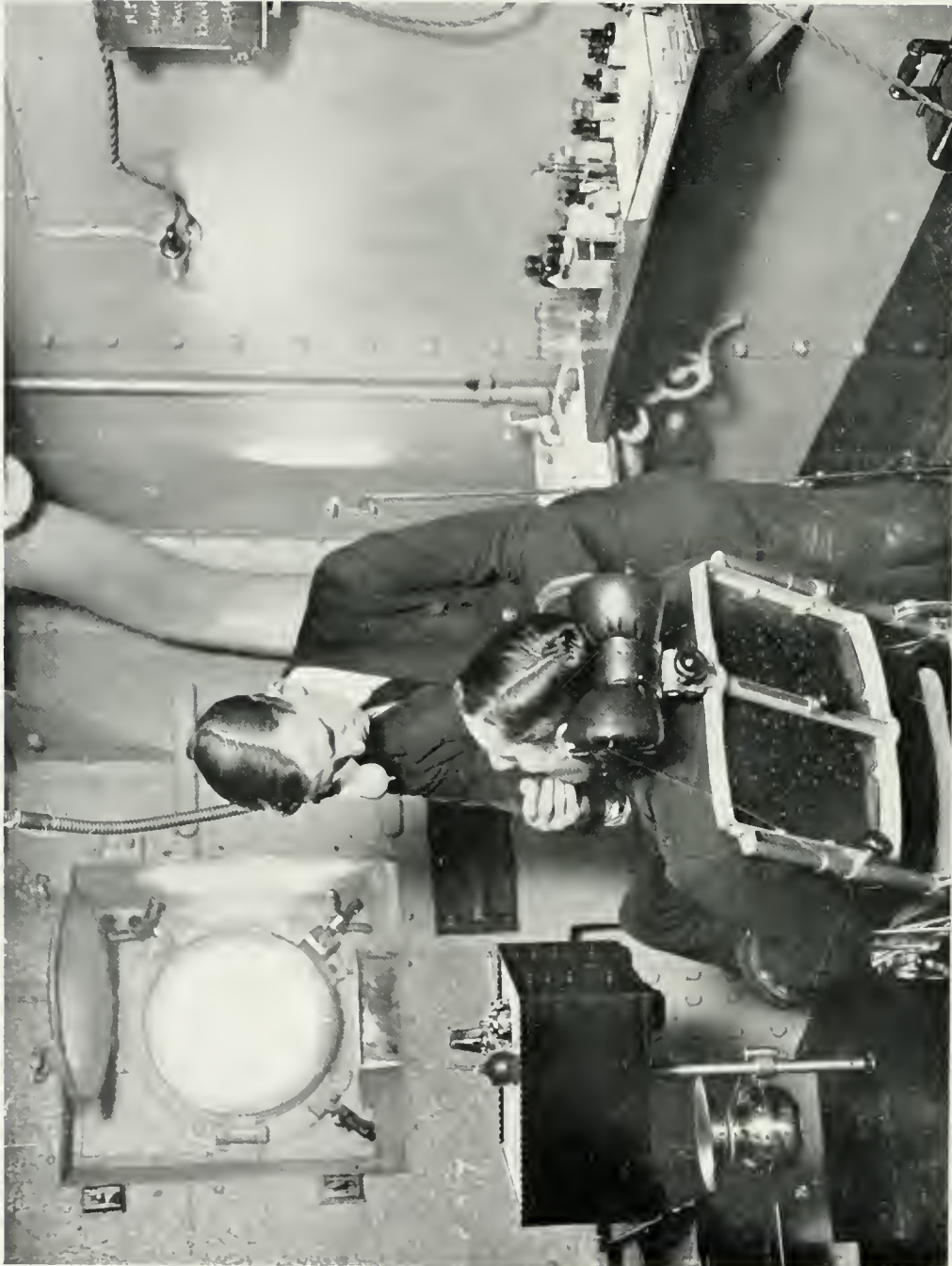
H.M. HOSPITAL SHIP "MAGIC II.," AFTERWARDS RENAMED "CLASSIC."



Imperial War Museum.

TRANSFERRING A "COT CASE" FROM A BATTLESHIP TO THE HOSPITAL SHIP DRIFTER.

(The more serious cases from the Fleet were sent to the Hospital Ships—of which there were generally three or four at Scapa one of which, H.M.H.S. "Agadir," was set aside for infectious cases only. In addition to the drifter "Coryphana," shown in the photograph, two other drifters were detached for Hospital Ship duties, named, rather suggestively, the "Golden Harp" and "Elysian Dawn.")



DENTIST AT WORK ON A BATTLESHIP (H.M.S. "COLLINGWOOD").

Imperial War Museum.



H.M.S. "IMPERIEUSE" WITH FLEET MAIL STEAMER "ST. NINIAN" AND MAIL DRIFTERS FROM THE FLEET ALONGSIDE.



MAIL BOAT "ST. OLA" COMING ALONGSIDE H.M.S. "VICTORIOUS."

(The "St. Ola" took the place of the "St. Ninian" during the last few months of the war and mails were then distributed by H.M.S. "Victorious.")

For the first three months of the war all mails for the Fleet were landed and distributed at Scapa Pier. In November 1914 a Branch Post Office was opened on H.M.S. "Imperieuse," where the mails and newspapers were sorted and despatched to the Fleet. Some idea of the volume of business transacted to the date of the Armistice can be gathered from the following figures: 12 million letters and parcels sorted and despatched, 85 million letters and parcels delivered; value of postal stamps sold £275,500.



Imperial War Museum.

SORTING MAILS FOR THE FLEET ON H.M.S. "IMPERIEUSE."



DISTRIBUTING NEWSPAPERS FOR THE FLEET (H.M.S. "IMPERIEUSE.")

Imperial War Museum.



DOCKYARD WORKMEN LEAVING H.M.S. "VICTORIOUS" FOR WORK IN THE FLEET.



REPAIRING A STEAM PINNACE ON THE SLIPWAY AT LYNESS.



SCHOOL CHILDREN'S ENTERTAINMENT ON H.M.S. "VICTORIOUS."

(The Navy is renowned for its hospitality, and the above shows a group of school children and their teachers who were entertained to a cinema show and tea on board. Many of the children had never seen the "movies" before.)



THREE OF THE YOUNG ORCADIAN GUESTS.



Imperial War Museum.

"NO COUPONS REQUIRED."

(The work of victualling the Navy at Scapa was no small task, as the following figures of the monthly fleet requirements indicate:

Meat, 326 tons; potatoes, 800 tons; flour, 9,000 14-lb. bags; sugar, 1,500 120-lb. bags; bread, 80,000 lbs.)



CREW OF DRIFTER "SHALOT."

(Attached to the Victualling Store Officer
R.F.A. "Ruthenia.")



LIFTING CHAIN CABLES.



MOORING VESSEL "RECOVERY" AT SCAPA FLOW.

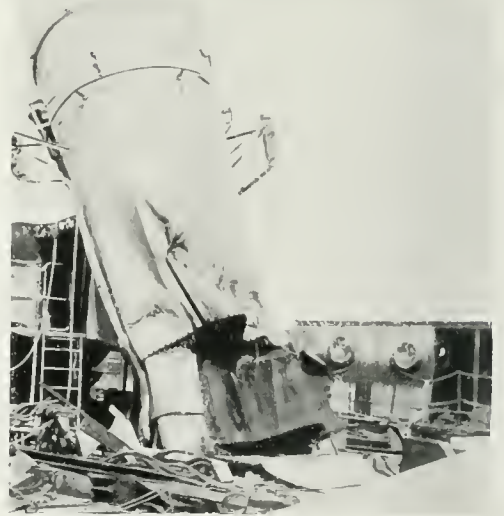
(The mooring work of the Base was performed under the control of the Admiralty Port Officer, H.M.S. "Imperieuse." Amongst the mooring vessels which did useful work in laying and lifting moorings for the Fleet, in addition to the "Recovery" pictured above, should be mentioned the mooring craft "Strathmarree," "Ben Doran," "Ben Tarbet," and "Bullfrog.")



U.S.S. "PATUXENT" AND "272" ALONGSIDE H.M.S. "VICTORIOUS" FOR REPAIRS.



AMERICAN MINESWEEPER IN THE FLOATING DOCK FOR REPAIRS.



A DAMAGED BRITISH DESTROYER BEING REPAIRED IN THE DOCK.



S.S. "BORODINO" JUNIOR ARMY AND NAVY STORES' STORE-SHIP WITH THE GRAND FLEET.



INTERIOR OF SHOP ON S.S. "BORODINO."

(The Junior Army and Navy Stores was one of the most popular "institutions" at Scapa, and from 1914 to 1919 it was the great shopping centre of the Fleet. Almost every variety of article was stocked from "an elephant to a shirt button" and in addition a hairdressing saloon and a laundry were installed.)



A CORNER OF AN OFFICER'S CABIN.

(An officer's cabin is his exclusive "sanctum" and in this case the occupant appears to have been determined to keep in mind "the girls he left behind him!")

THE LIGHTER SIDE OF LIFE AT SCAPA FLOW



FISHING FOR SEA-TROUT.



A SHIP'S PICNIC.



A BATHING PARTY.

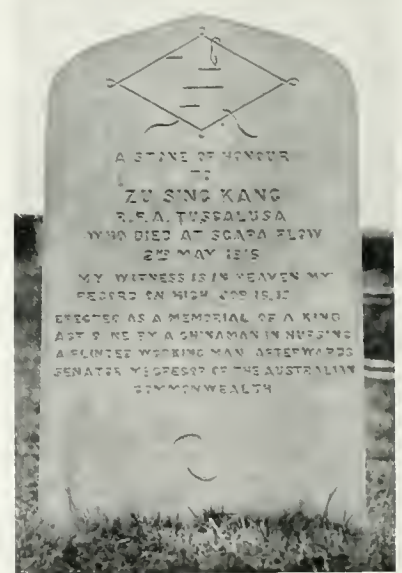


THE NAVAL CEMETERY AT LYNES.

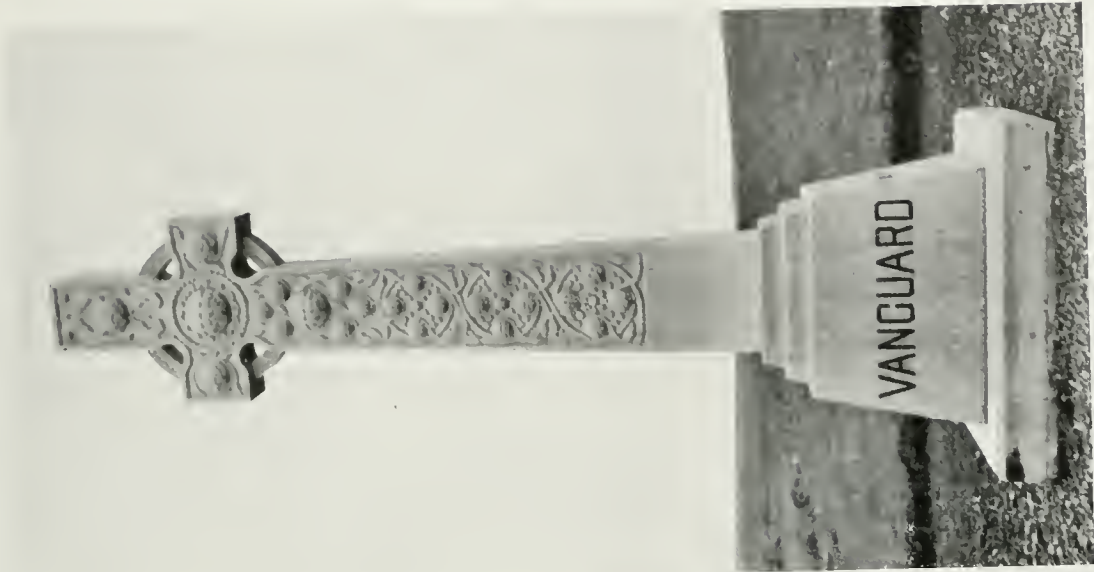
(The Naval Cemetery at Lyness is situate on some rising ground overlooking the waters of the Flow. Here lie buried those who died whilst serving at Scapa, those who fell in the Battle of Jutland and those who perished in the "Hampshire," "Vanguard" and other vessels. Their memory is perpetuated by the memorials which have been erected by their shipmates, some of which are here shown.)



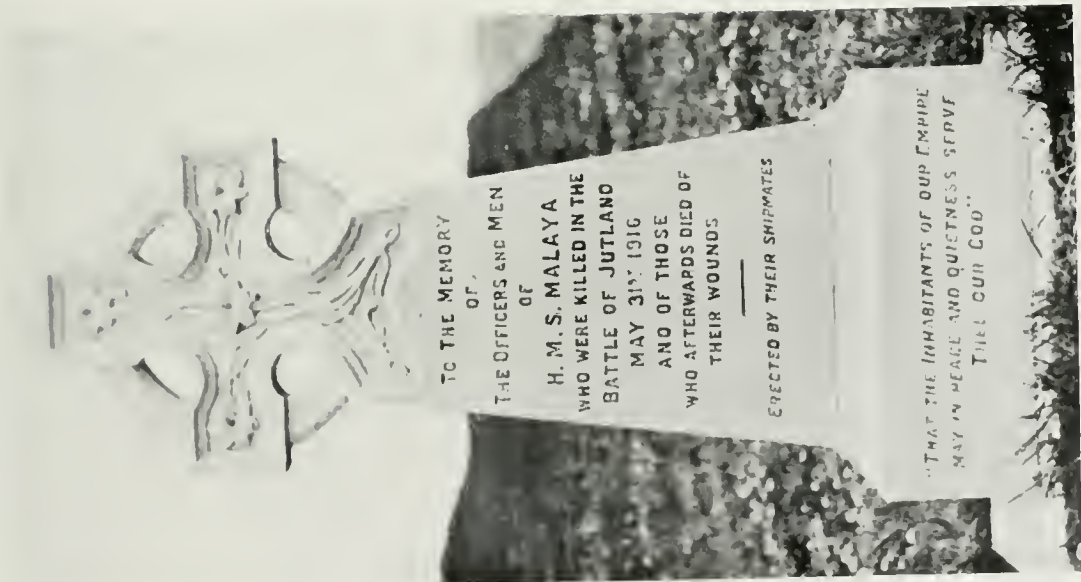
THE "HAMPSHIRE" MEMORIAL.



AN INTERESTING STONE TO THE MEMORY OF A CHINAMAN WHO DIED AT SCAPA.



THE "VANGUARD" MEMORIAL.



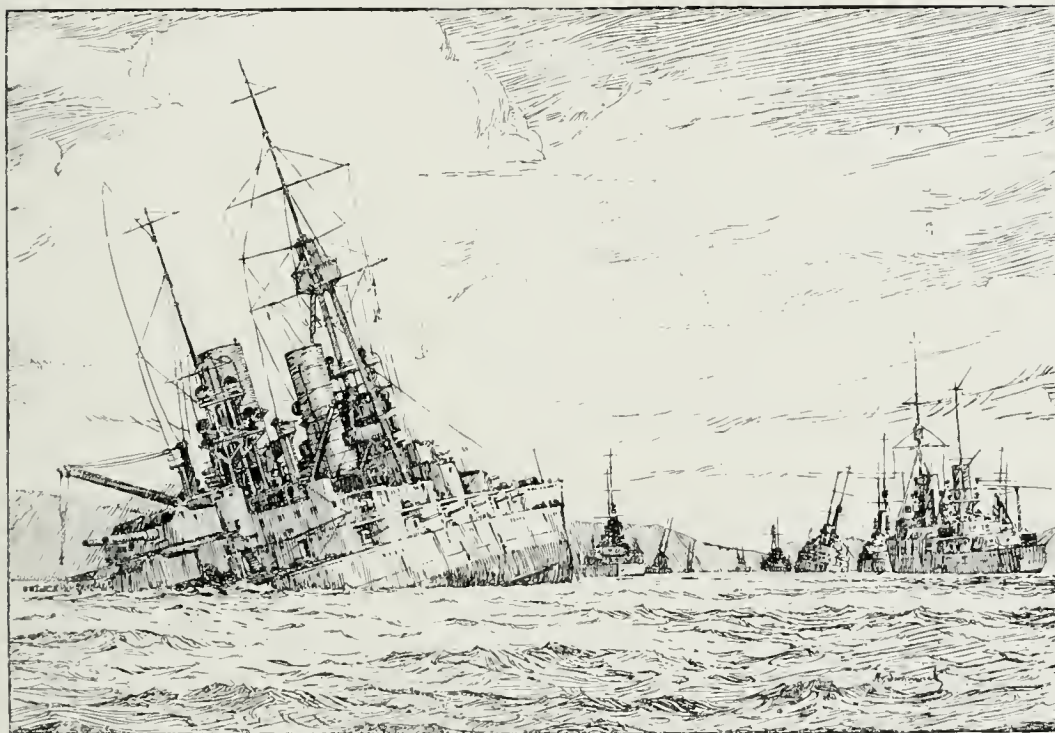
THE "MALAYA" MEMORIAL.



MAKING FOR HOME.

(H.M.S. 'Victorious' in the Irish Sea on the way to Devonport, March, 1920.)

PART IV
THE GERMAN SHIPS AT SCAPA FLOW



THE SCUTTLING OF THE GERMAN SHIPS.

THE GERMAN SHIPS AT SCAPA FLOW



ALTHOUGH the association of the Grand Fleet with Scapa Flow would of itself have given that hitherto almost unknown spot a peculiar and honourable significance in our naval history, it was undoubtedly the choice of Scapa as the place of internment of the German ships and their subsequent dramatic sinking, which made Scapa a familiar name, not only in this country but all over the world. The photographs which follow show the various phases of the German "occupation" of Scapa from the time that the vessels arrived for internment to the final scenes in March, 1920, when those vessels which had been salvaged after the scuttling in June, 1919, were finally towed south for distribution amongst the Allied Powers.

The first phase took place on 23rd November, 1918, and the succeeding days, when the surrendered ships were escorted from Rosyth to Scapa and anchored in the Flow, prior to taking up their permanent billets in Gutter Sound (previously the collier anchorage of the Fleet; see map on p. 110).

The ships arrived in the following order:

<i>Date.</i>	<i>German Vessels.</i>	<i>British Escort.</i>
Saturday, 23/11/18..	20 Torpedo-Boat Destroyers.	Torpedo-Boat Destroyers.
Sunday, 24/11/18 ..	20 Torpedo-Boat Destroyers.	Torpedo-Boat Destroyers.
Monday, 25/11/18 ..	5 Battle Cruisers, 10 Torpedo-Boat Destroyers.	"Lion" and First Battle Cruiser Squadron and 10 Torpedo-Boat Destroyers.
Tuesday, 26/11/18 ..	5 Battleships and 4 Light Cruisers.	5 Ships First Battle Squadron and Second Light Cruiser Squadron.
Wednesday, 27/11/18	4 Battleships, 3 Light Cruisers.	4 Ships First Battle Squadron and Third Light Cruiser Squadron.

The German ships carried full navigating parties, and came north under their own steam. The dense clouds of smoke which will be observed in the photographs on pp. 102 and 103 testify to the poor quality of the coal with which they were supplied. The crews were later reduced to care and maintenance parties only.



J. F. V. Guise.

H.M.S. "LION" ENTERING HOXA BOOM, SCAPA FLOW, AT HEAD OF GERMAN BATTLE CRUISERS, 25TH NOVEMBER, 1918.



H.M.S. "REPULSE," "RENOWN," "PRINCESS ROYAL," AND "TIGER" ESCORTING GERMAN BATTLE CRUISERS THROUGH HOXA BOOM, 25TH NOVEMBER, 1918.

The complete list of capital ships (apart from destroyers) interned at Scapa is shown below. The battleships "König" and "Baden," and cruiser "Dresden," were later arrivals.

BATTLESHIPS

BAYERN	KAISER	KÖNIG ALBERT
MARKGRAF	GROSSER KURFÜRST	PRINZREGENT LUITPOLD
KÖNIG	KRONPRINZ WILHELM	BADEN
KAISERIN	FRIEDRICH DER GROSSE	

BATTLE CRUISERS

HINDENBURG	SEYDLITZ	MOLTKE
DERFFLINGER	VON DER TANN	

LIGHT CRUISERS

BRUMMER	KÖLN	NURNBERG
BREMSE	EMDEN	FRANKFURT
DRESDEN	KARLSRUHE	

During the period of their internment, communication between the German ships and our own Fleet was restricted to a minimum, and no one from our own ships was allowed on board the interned vessels unless on duty of an urgent nature. The Germans were required to victual and store their own ships from Germany, coal and water only being supplied locally. As German warships were not constructed for living aboard for long periods (the sailors being mostly accommodated in barracks when in harbour), the crews at Scapa must have had a rather unenviable time of it, though there was a certain element of poetic justice in interning them in the region where for so long our own Fleet had kept its lonely vigil. As one of their officers remarked in writing home and describing the bleakness and desolation of Scapa: "If the English have stood this for four years, they deserve to have won the war."

The German ships were patrolled by a number of drifters—a somewhat ignominious guard for the much-vaunted German Fleet.

The Germans' love of music was in evidence even at Scapa, and it was somewhat strange and at times rather pathetic to hear the unfamiliar strains of "Die Wacht am Rhein" and "Die Lorelei" rising from the German ships, some of which still retained their bands.

The anniversary of Jutland (31st May) was not forgotten, and most of the



GERMAN BATTLE CRUISER "SEYDLITZ" ENTERING HOXA BOOM, 25TH NOVEMBER, 1918.



GERMAN BATTLE CRUISER "VON DER TANN" ENTERING HOXA BOOM, 25TH NOVEMBER, 1918.



GERMAN BATTLE CRUISER "MOLTKE" ENTERING HOXA BOOM, 25TH NOVEMBER, 1918.



THE INTERNED GERMAN SHIPS AT SCAPA.

ships displayed bunting, on the pretext of drying their flags, as they were not allowed to fly their ensigns after Beatty's signal on the evening of the surrender at Rosyth. One of the ships prominently displayed a notice in English: "To-day we celebrate the German victory of the Battle of Jutland."

It was somewhat difficult, owing to the isolation of the German ships, to form an idea of the discipline which prevailed on board. It was evident that on most of the ships there were representatives of the Soldiers' and Sailors' Councils, as the



GERMAN BATTLE CRUISER "SEYDLITZ."
(One of the ships which bombarded Scarborough.)

members could be readily distinguished by their white armbands. Indeed, there is probably some truth in the report that when the German ships surrendered, the crews confidently expected that our ships, the crews of which they believed to be on the verge of mutiny and Bolshevism, would make common cause with them, and they must have been considerably surprised when Admiral Beatty refused to negotiate with the Council representatives. There were undoubtedly disturbances on some of the German ships whilst they were at Scapa, and it appears to have been due to a rather serious case of insubordination that Admiral

Von Reuter, who was in command of the German ships, changed his flagship from the "Friedrich der Grosse" to the "Emden."

On the other hand, the simultaneous sinking of the German ships on 21st June, 1919, proved conclusively that a certain discipline still prevailed, for the scuttling was undoubtedly organised and carried out with (from the German point of view) very commendable precision and thoroughness.

The scuttling of the German ships on 21st June, 1919, has already been briefly referred to in the earlier part of the book, but as the writer was privileged to be



GERMAN BATTLE CRUISER "MOLTKE" AT SCAPA FLOW.

an eyewitness of the events of that afternoon, the reader will perhaps pardon the intrusion of the personal element in a more detailed description of the sinkings.

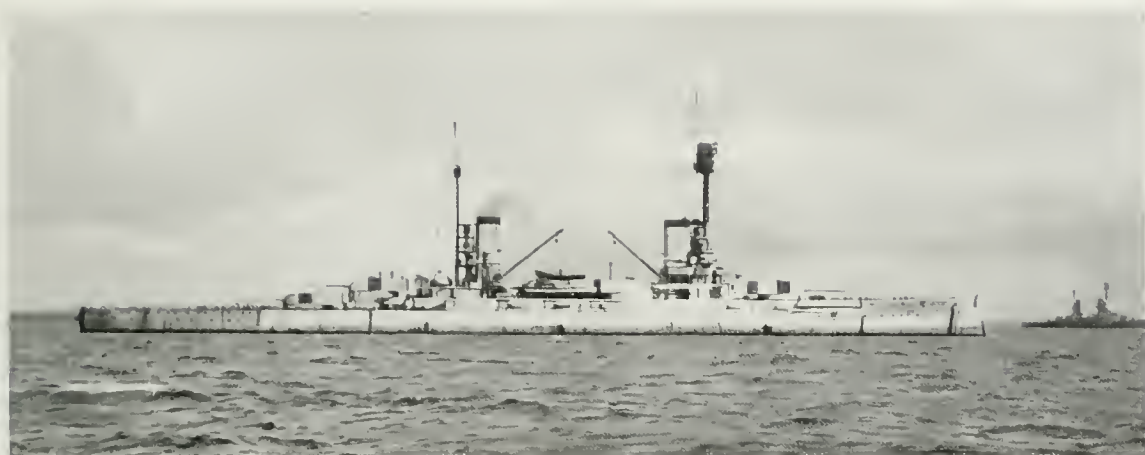
It was at five minutes past noon that the signalmen reported that the German ships had hoisted ensigns and burgees. The excitement which this announcement produced was intensified a short time later when it became apparent that the ships were sinking, and that the crews were taking to the boats. Lunch was completely forgotten, and arrangements were hurriedly made to get all available small craft to the ships to ascertain if anything could be done to save any of them. I obtained permission from the Admiral to accompany him on an inspection of some of the nearer destroyers, from which it was ascertained that there was no possibility of saving any of the ships other than by beaching them, as the sea-



GERMAN BATTLE CRUISER " DERFFLINGER " AT SCAPA FLOW.



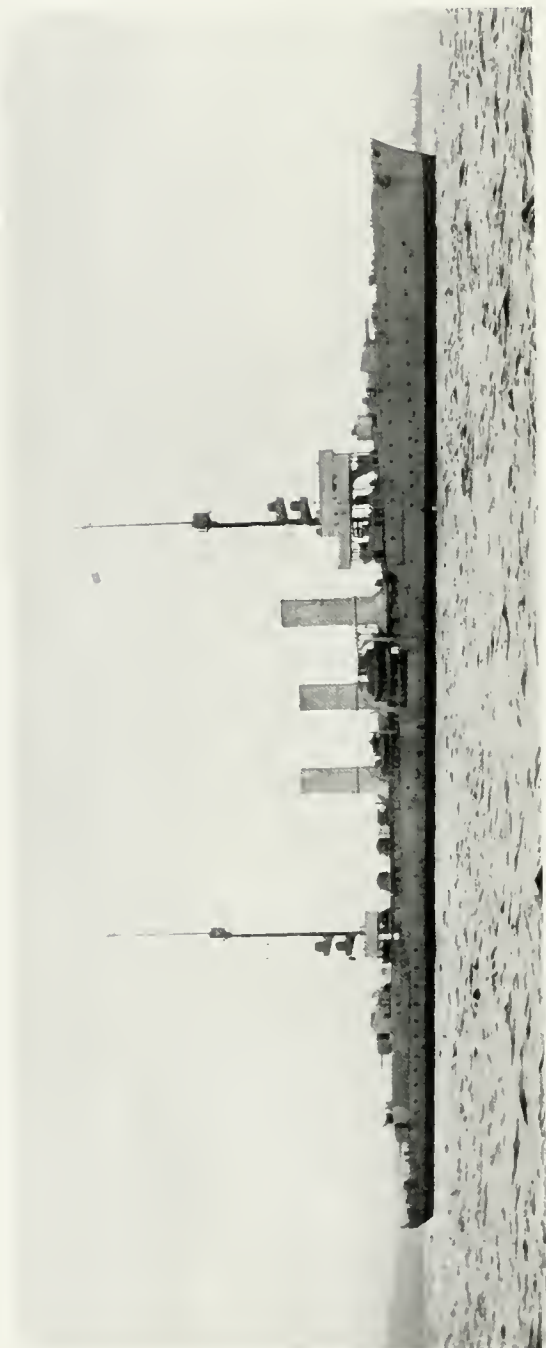
GERMAN BATTLE CRUISER " HINDENBURG " AT SCAPA FLOW.



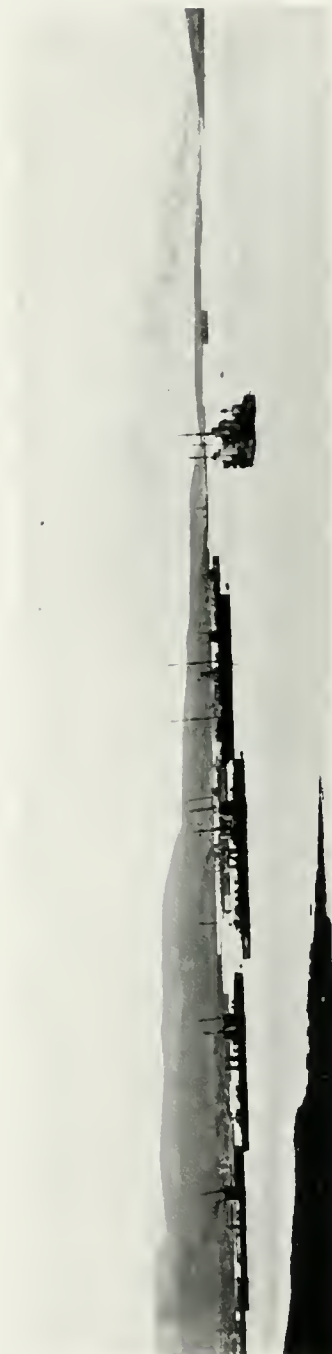
GERMAN BATTLESHIP "FRIEDRICH DER GROSSE."
(Admiral von Reuter's flagship.)



GERMAN BATTLESHIP "KAISERIN."



GERMAN LIGHT CRUISER "KÖLN."



GERMAN DESTROYERS AT LYNNESS, WITH BATTLESHIPS IN THE DISTANCE.

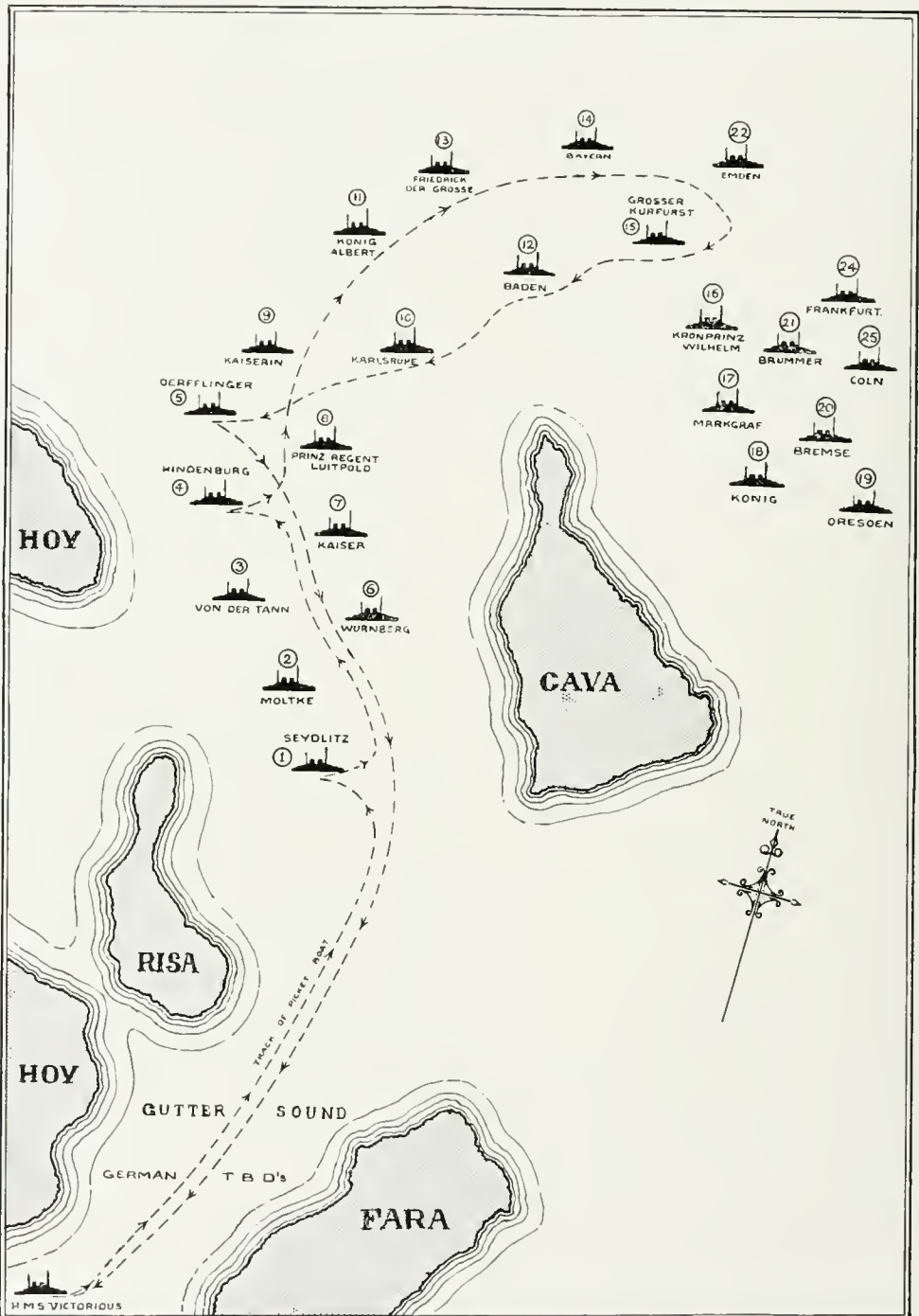
cocks had not been only opened but the valves had been destroyed. Our picket-boat happened to come alongside at this stage, so I jumped aboard and proceeded north up Gutter Sound, where the larger vessels were anchored. Our instructions were to board any German vessels which were still afloat, haul down their ensigns, and to take such steps as were necessary to save life and to direct any boats or Carley floats of Germans to the Flagship. Our picket-boat followed the course shown in the sketch map on p. 110, and we reached the "Seydlitz" at about one o'clock, boarded her and hauled down her colours, and at the same time opened the windlass with a view to parting it and allowing the vessel to drift ashore, but unfortunately it brought up at the slip and held. The "Seydlitz" was then beginning to list heavily, so we left her and next boarded the "Hindenburg," which was also beginning to list heavily to port.

We then proceeded past several of the battleships, which were seen to be rapidly settling down. Whilst abreast of "König Albert," our picket-boat was hailed from the deck of a trawler by the German Admiral, Von Reuter, who asked us to save the crew of the "Bayern," who were in the water. Two drifters which were near by were accordingly ordered close to the "Bayern" for this purpose, and we proceeded in the same direction, when the photographs on pp. 112 and 113 were taken. Immediately afterwards the ship turned over to port, bottom up, and sank, whilst the crews of the boats cheered loudly and waved their caps.

We next headed for the "Derfflinger," on the way sending back several boats full of Germans to the "Victorious." The "Derfflinger" foundered a few minutes after taking the photograph on p. 24. On the way back we passed the "Hindenburg," which had then settled on to an even keel with her masts and funnels showing, whilst the "Seydlitz" was then resting in shallow water on her starboard side, with her decks nearly vertical, and her port propeller just showing above the water.

Meantime a considerable number of the destroyers had been beached by tugs and other small craft, in addition to three cruisers, whilst the "Baden," the only battleship saved, was still afloat, though very low in the water.

On arrival on the "Victorious" we found the ship crowded with Germans, who, after examination, were sent to the Flagship, H.M.S. "Revenge"—which had by this time returned to the Flow from the Pentland, where the 1st Battle Squadron had been exercising—from which ship they were sent south.



PLAN OF THE ANCHORAGE OF GERMAN SHIPS AT SCAPA FLOW.

A large amount of salvage work ensued on the vessels which had been beached, most of them being pumped out and docked in the Floating Dock, although it was not found possible to get some of the destroyers off, and these still remain as a memento of that eventful day.

All the salvaged ex-German ships have now been towed south, and have been apportioned amongst the Allied Powers. It is interesting to note that the "Baden" and "Nurnberg," of which several photographs are shown in the following pages, have been allotted to Great Britain, whilst the "Emden" goes to France, and the "Frankfurt" to U.S.A. It appears that most of the salvaged vessels are to be broken up, thus finally disposing of the remnants of the once great German Fleet.



A PARTY OF FRENCH OFFICERS VISITING THE GERMAN SHIPS.



GERMAN BATTLESHIP "BAYERN" SINKING BY THE STERN, 2 P.M., 21ST JUNE, 1919.



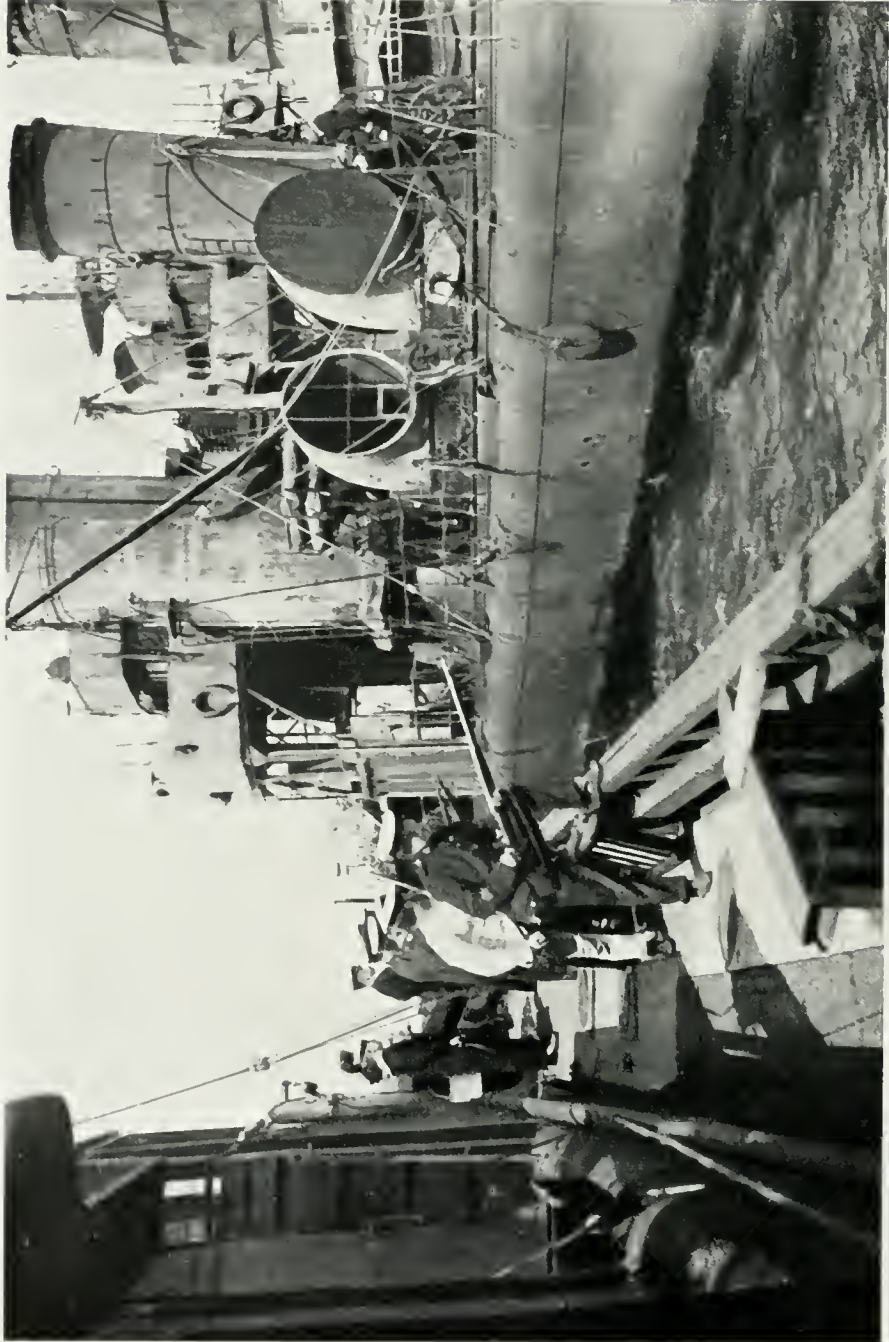
THE FINAL PLUNGE OF THE "BAYERN."



GERMAN DESTROYERS SINKING OR BEACHED OFF THE ISLAND OF FARA.



GERMAN SAILORS TAKING TO THE BOATS.



BRITISH BOARDING PARTY ALONGSIDE SINKING GERMAN DESTROYER.



GENERAL VIEW SHOWING GERMAN DESTROYERS SINKING ON THE RIGHT AND BATTLESHIPS IN THE DISTANCE,
AT 3.30 P.M., 21ST JUNE, 1919.



GERMAN BATTLE CRUISER "HINDENBURG" AS SHE NOW RESTS AT SCAPA.



WHALER "RAMNA" STRANDED ON GERMAN BATTLE CRUISER "MOLTKE" 23RD JUNE, 1919, TAKEN JUST BEFORE "RAMNA" REFLOATED.



GERMAN CRUISER "NÜRNBERG" IMMEDIATELY AFTER BEING REFLOATED AT 2 P.M. ON 3RD JULY, 1919.



SALVAGE OPERATIONS ON BATTLESHIP "BADEN" AND CRUISER "FRANKFURT" BEACHED AT SMOOGROO.



SALVAGE WORK ON THE "BADEN."



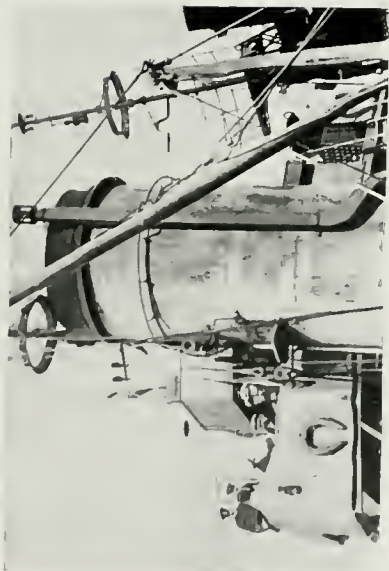
PUMPING OUT THE "FRANKFURT."



CRUISER "BREMSE," WHICH CAPSIZED WHILST BEING BEACHED.



BATTLE CRUISER "SEYDLITZ," LYING ON HER STARBOARD SIDE IN SHALLOW WATER.



HOISTING THE UNION JACK ON A SINKING
GERMAN DESTROYER.



ON THE "SEYDLITZ."



"BADEN" BEING TOWED SOUTH TO INVERGORDON.



SALVING GERMAN DESTROYER "G. 102."



SALVAGE PARTY WORKING ON A GERMAN DESTROYER.



V 73	V 123	V 82	S 51	V 46	V 125	S 54	S 137	V 100	"Nürnberg,"
V 43	C 92	B 08	V 127	S 60	V 126	S 132	V 80	C 102	"Emden"
		V 81							
		V 44							

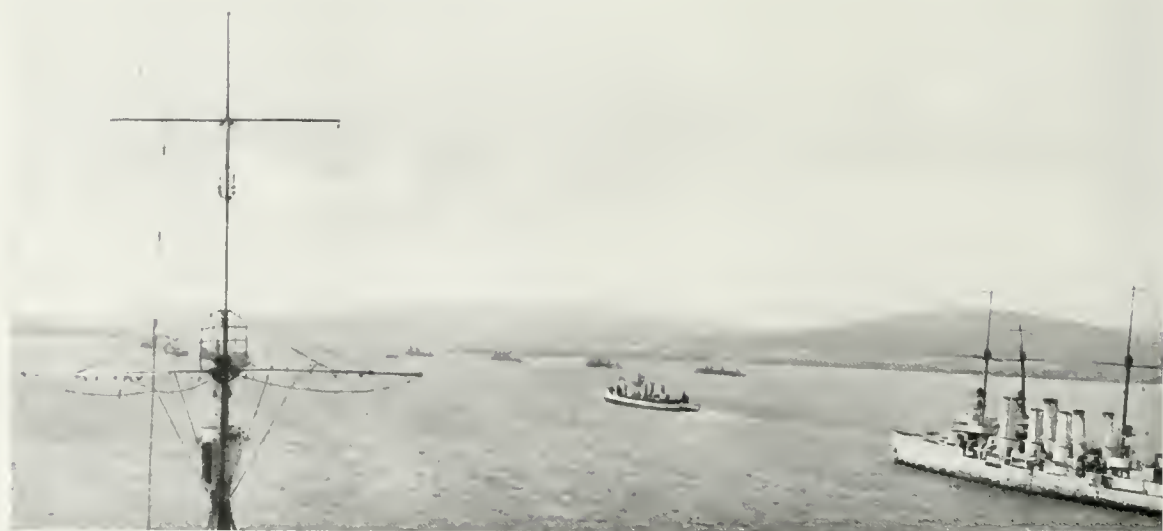
VIEW SHOWING SALVED EX-GERMAN CRUISERS AND DESTROYERS AT LONG HOPE, OCTOBER, 1919.



THE SALVED GERMAN CRUISERS "NURNBERG" AND "EMDEN" IN LONG HOPE BAY.



VIEW LOOKING AFT FROM AFTER-CONTROL TOP OF "FRANKFURT."



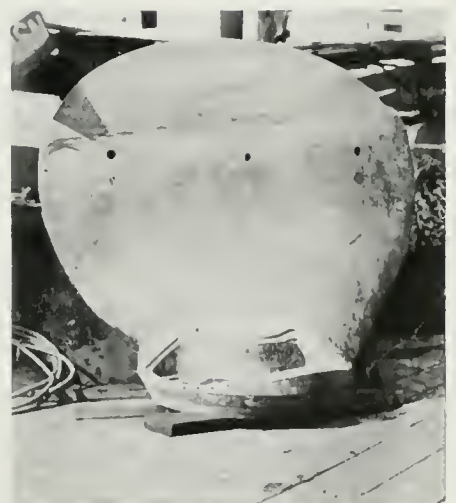
VIEW LOOKING FORWARD FROM THE SAME POSITION.



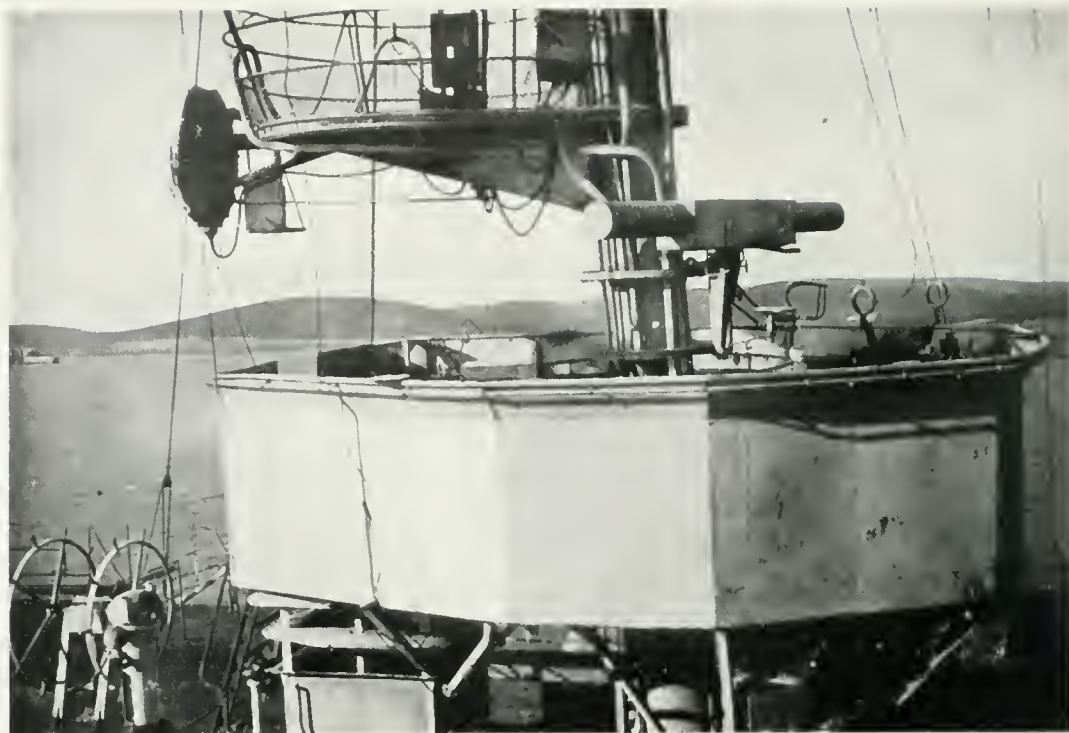
EXPANSION RING MARKING ON 6-INCH GUN "NURNBERG."



A HUMOROUS EFFORT ON THE PART OF
ONE OF OUR SAILORS.



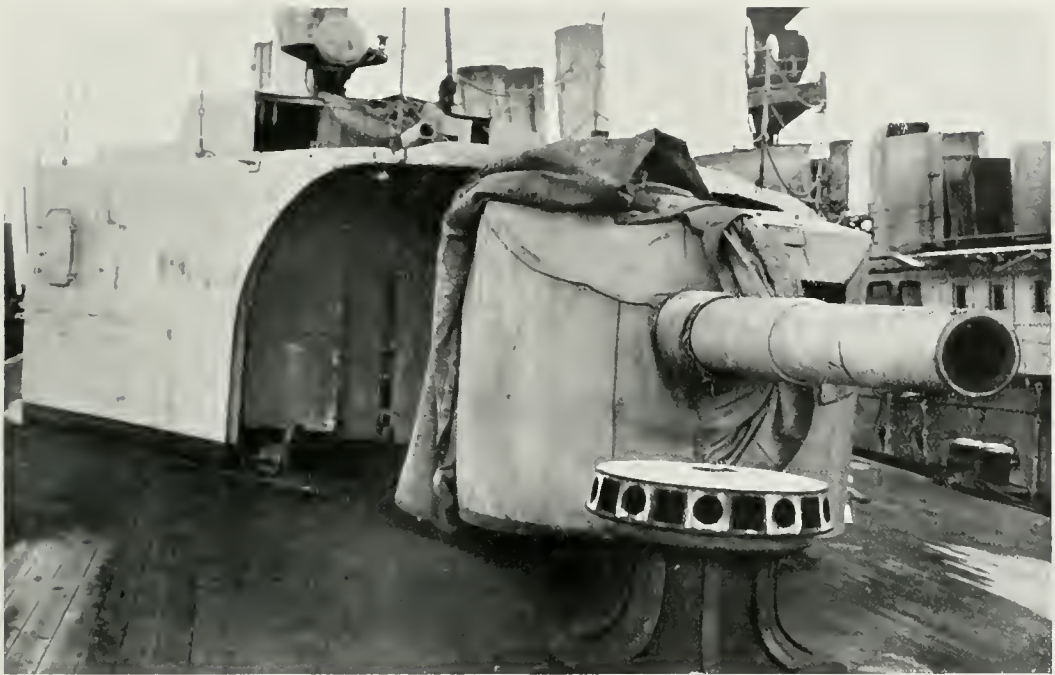
THE PROPELLER BLADE OF THE
"SEYDLITZ"



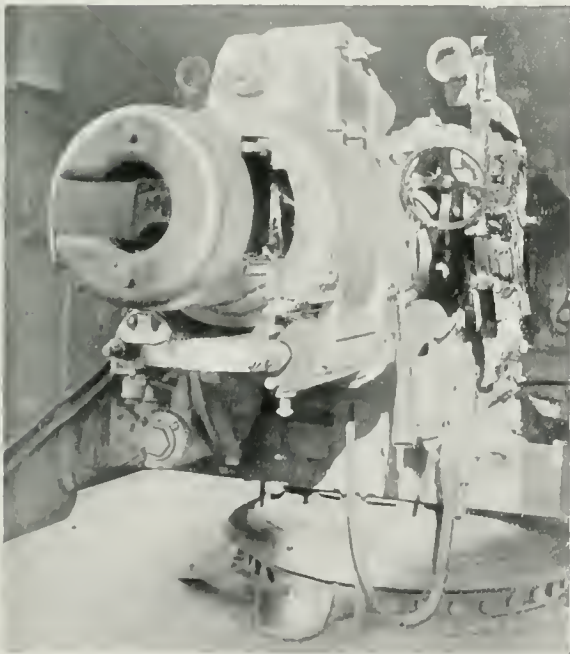
RANGE-FINDER AND SEARCHLIGHT PLATFORM, "NURNBERG."



88-MM. GUNS, "NURNBERG."



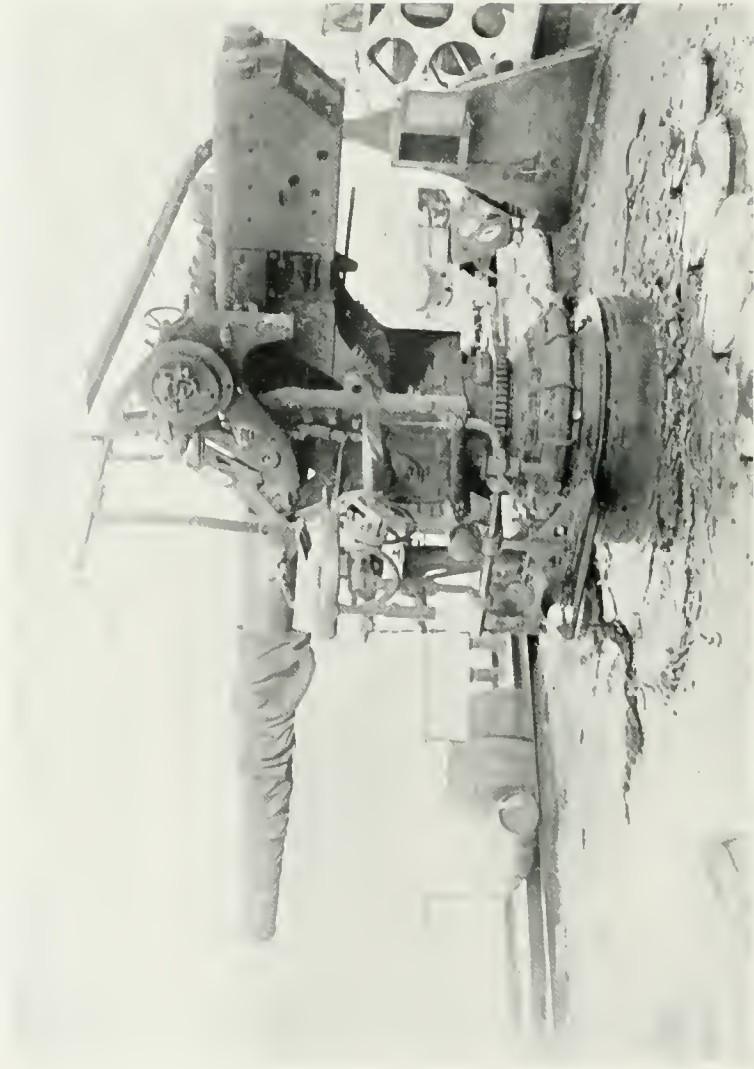
6-INCH GUN ON "NURNBERG" AFTER-TURRET.



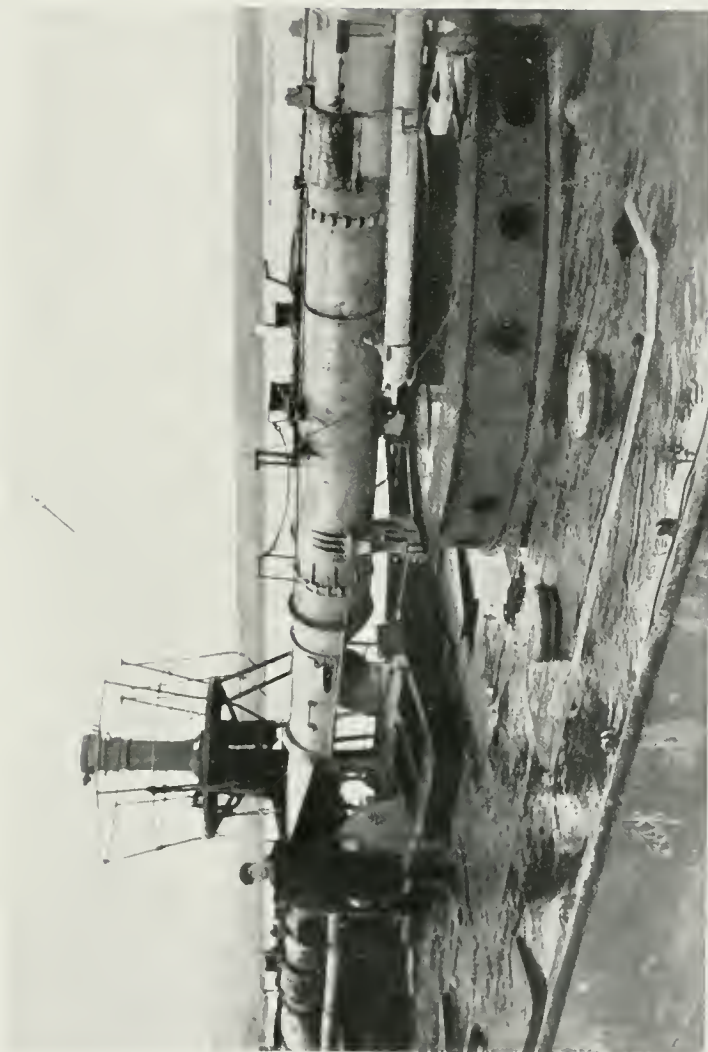
5.9-INCH AFTER-BREACH, "NURNBERG."



SEARCHLIGHT CONTROL PLATFORM,
"FRANKFURT."



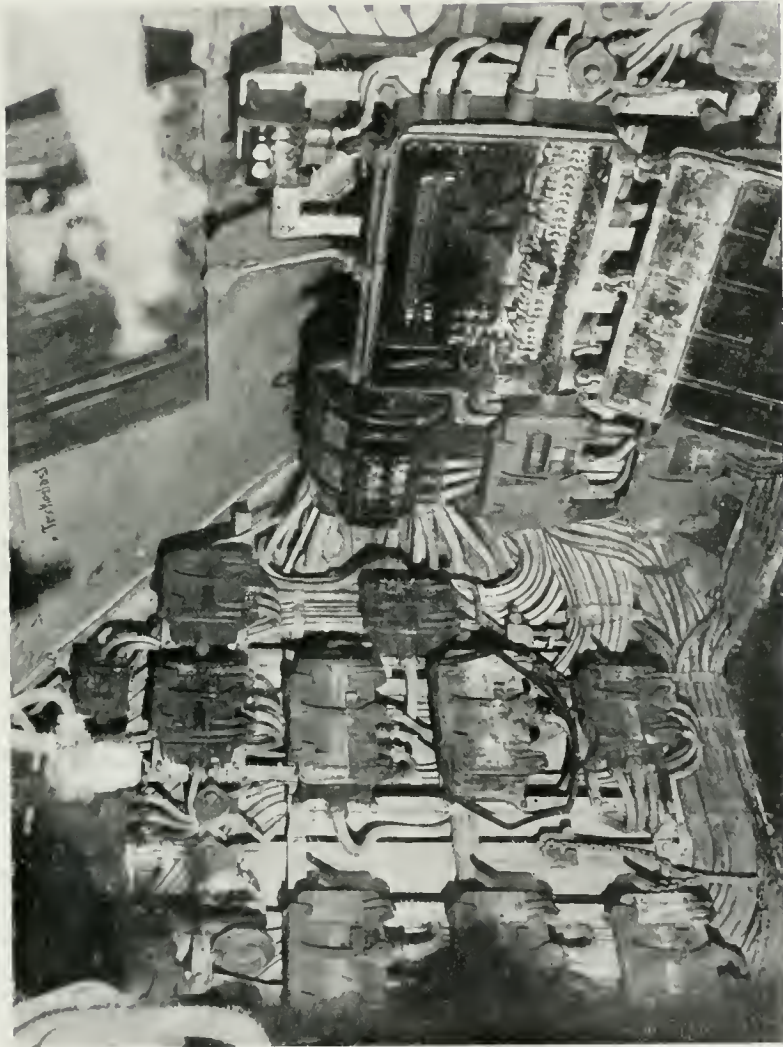
10.5-CM. GUN ON A GERMAN DESTROYER.



TORPEDO TUBES ON A DESTROYER.



ENGINE-ROOM CONTROL BOARD, "EMDEN."



LOWER CONNING TOWER, "EMDEN."



GERMAN DESTROYER BEING TOWED SOUTH TO ROSYTH, MARCH, 1920.

EPILOGUE.

MARCH, 1921.



R. J. Towers.

BLOWING UP THE MINEFIELDS.

Group of mines exploded in February, 1919, by the Quoyness Mining Station, Flotta Island.



F. J. Towers.

CLOSER VIEW OF A MINE EXPLOSION.

Photograph taken a mile away with a telecentric lens.

EPILOGUE



FEW notes remain to be added to the preceding pages to complete the story of Scapa to the present time. The war necessarily left its aftermath at Scapa, as elsewhere, and although much of the "clearing up" has been accomplished, there will remain for many years visible traces of the "naval occupation" of the Orkneys.

The signing of the Armistice in November, 1918, entailed only a cessation of active hostilities, and it was not until the summer of 1919 that the reversion of the Base from a war to a peace footing really began. One of the earliest and most important operations to be undertaken after the Armistice was the clearance of the North Sea mine barrage between the Orkneys and Norway, which has already been briefly referred to. This entailed a sweep over an area of 6,000 square miles, and the destruction of over 70,000 mines. The American Minesweeping Detachment, to which the major portion of this task was allotted, arrived in Kirkwall in April, 1919, and by the end of September of that year their task had been successfully accomplished, and the northern gateway was open once more to the mercantile traffic of the world.

The mines which had been laid in the smaller areas around the entrances to the Flow were exploded simultaneously in sections—a very much simpler task, as these were connected electrically to shore stations. The photographs on p. 140 give some idea of the force of the explosions, which were audible for miles around. It is of interest to note that the buoy shown on the left of the photograph on the lower part of p. 140 marks the resting-place of the German submarine which was sunk in this minefield a few days before the Armistice.

The removal of the booms and the release of the boom defence drifters and trawlers was completed before the end of 1919. The fishermen who formed the crews of these vessels, incidentally, deserve to be recognised for their work during the war, the monotony and isolation of which made their task one of the least enviable at the Base.

SALVAGE OPERATIONS ON S.S. "AORANGI" IN HOLM SOUND.



I. Kent.

1



T. Kent.

2

The raising of the barrier at Clestron (see p. 39) proved a more formidable operation. The ice-breaker "Sviagator," early in 1920, made the unique experiment of crushing some of the hurdles to a sufficient depth to allow vessels of medium draught to pass over with safety, but it was not until the summer of 1920 that the removal of the hurdles was undertaken and completed by a salvage company, and the rails shipped south.

The raising of the "block" ships, which had been sunk in some of the narrow channels leading into the Flow, appears to have presented almost insuperable difficulties, mainly owing to tidal currents, and there does not seem to be much likelihood that the vessels in Burra and Water Sounds will ever be raised. In Holm Sound, however, one of the sunken ships, S.S. "Aorangi," was successfully salvaged by the East Coast Wrecking Company on 8th September, 1920, and beached near the churchyard at Holm.

Of the temporary shore establishments at Scapa very little now remains, and the buildings which are still standing have nearly all been converted to meet peacetime requirements. The "miniature base" at Lyness is in the hands of caretakers, and the completion of the wharf (on which £300,000 has been spent) has been stopped, whilst the control of the Naval Area, which since February, 1920, had been in the hands of Captain Alan G. Bruce, R.N., C.B., D.S.O., was on 1st December, 1920, removed to Invergordon.

The air stations at Houton, Smoo gro, Caldale, and Stenness have been closed down or removed, whilst the seaplane station at Scapa has been acquired by the Orkney County Council as a tuberculosis hospital. Nearly all the shore batteries have been dismantled, the guns removed, the searchlights withdrawn, and the huts sold or demolished. Only at Hoy (Stromness) are the batteries intact, but these are in charge of a civilian caretaker. The Royal Marine Station at Carness (near Kirkwall) remains, but as a smallpox hospital under the Orkney County Council.

Various schemes have been under consideration for the removal of the sunken German ships, but at present they still remain as they sank on the memorable 21st June, 1919—a constant source of danger to ships passing through the narrow channels where they lie. It remains to be seen whether steps will eventually be taken to remove the more dangerous of these vessels, or whether they will remain as a permanent memorial of one of the most dramatic episodes of naval history.

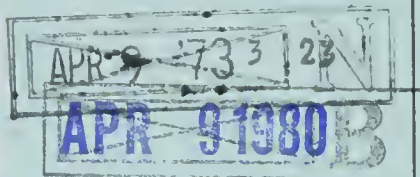


SUNSET OVER THE HILLS OF HOY.
(Mast of sunken German destroyer showing in foreground.)

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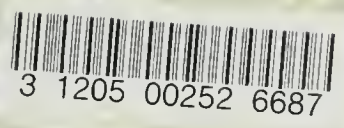


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